CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

DECEMBER 16, 1950



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SURREY

CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

DECEMBER 16, 1950

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London." ingle copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

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NEWS OF THE WEEK

Harrison Memorial Prize.—The Harrison Memorial prize of the Chemical Soiety for 1950 has been awarded to Dr. Iugh Christopher Longuet-Higgins. The resentation will be made during the anniersary meetings of the Chemical Society a London in March 1951.

Instruction in Packaging.—An educational course in packaging for junior executives has been organised by the Institute f Packaging. It will take place on March 2-16, 1951, at Shell-Mex House, Strand, ondon, W.C.2. Application forms are btainable from the secretary of the Institute, at its headquarters, 55 Moorgate, ondon, E.C.2.

Federation of British Industries.— Messrs, I. V. L. Fergusson (Evans Medical Supplies, Ltd.) and W. J. Worboys (Imperal Chemical Industries, Ltd.) have been lected Council members of the Federation, and Mr. J. L. Harvey (Spencer, Chapman Messel, Ltd.) has been invited to join the Council as a co-opted member. Chemists Federation.—At a meeting of the Chemists Federation Council held on December 7, the president (Mr. E. A. Brocklehurst) in the chair, an application for wholesaler membership by R. A. Cripps & Son, Ltd., Hove, 2, was approved. The following firms were deleted from the list of approved C.F. wholesalers: Don Johns, Ltd., Sheffield, 9; Southern Utilities, Ltd., Bournemouth.

The name of one retailer was removed from the Federation's stop list.

Sandalwood Oil by Air. — Aboard an aeroplane arriving at London Airport from India recently was over 1,500 lb. of Mysore sandalwood oil—specially sent by the Mysore Government and the first consignment to reach the United Kingdom by air. The Trade Agent for Mysore in London states that regular dispatches of the oil are to follow from the Mysore factory by a twenty-four-hour air service inaugurated to meet the urgent demands of British soap, perfumery and other manufacturers.

Prescribing of Advertised Medicines.—The Minister of Health is to inform all general practitioners taking part in the National Health Service that they have his full support in resisting any "importunate demands" by patients for specific brands of drugs or medicines. In a letter to Executive Councils on the subject, Mr. Bevan says that he feels his Parliamentary answer (see C. & D., December 2, p. 609) "might assist doctors in explaining the position to any patients who may press for medicaments which the doctors do not consider they require."

A Caveat on the Training of Chemists. Replying to the toast, "The Profession of Chemistry," proposed by Mr. Walter Elliot, M.P., at the Ramsay Chemical dinner in Glasgow recently, Professor A. R. Todd (professor of organic chemistry, Cambridge University), said that graduates from his own department were "well nigh torn to pieces" by the surge of industrialists who were seeking to have graduates in their employment. "But I suggest," he continued, "that there is an element of danger in the urge to emulate the United States in applying chemistry to industry. We must remember that we are, by comparison, a very small country and there is a danger that in this great expansion we might sacrifice quality for quantity."

Exchange Control Relaxation. — Exchange Control form C.D.3 need no longer be completed for export of goods not exceeding £10 in value (f.o.b.) In announcing the concession the Treasury states that it is not restricted to post parcels and packets, but extends to exportation by all normal means. Export licensing requirements remain unchanged; and, unless the goods are being sent by way of gift, the exporter is still under obligation to comply with the requirements of the Exchange Control Act, 1947, as to methods of payment and surrender of currency. The usual pre-entry documents for goods exported by sea or air freight, and the usual Customs declaration form showing the description and value of the goods for postal parcels and packets, will be required.

Statutory Committee Inquiry. — The Statutory Committee of the Pharmaceutical Society considered on December 6 the case of a pharmacist who was alleged to have been under the influence of drink while employed as a locum tenens. The pharmacist was not represented. He told the Committee that he was now an ab-

stainer. After hearing six testimonials fre pharmacists as to his capabilities, the Comittee considered the case in camera. To chairman then announced that the Comittee found the allegations proved by that, in view of the pharmacist's plea, the had decided to adjourn the inquiry of twelve months, If, in that period, the pharmacist's conduct showed that he was to remain on the Register, the regists would not be directed to erase his nar

Additions to Poisons List.—The Hor Office proposes to make the followichanges in the Poisons List and in Schedules to the Poisons Rules:—(1) ganic compounds of mercury containing methyl (CH₃) group linked to the merci atom to be excepted from the Fi Schedule. (2) Para tertiary amyl phenol be added to the entry relating to phens in column 2 of group II of the Th Schedule. (3) Procaine, when in prepations to which the Penicillin Act, 19, applies, to be exempted from the F. Schedule. (4) Chlorcyclizine and promo azine to be added to the definition of an histamine substances given in Part I of Poisons List and in the First, Third all Fourth Schedules. (5) Flaxedil (gallami) and Paradione (under a name to be proved by the British Pharmacopæia Comission) to be added to Part I of Poisons List and to the First and Foun Schedules. The necessary Statutory Inst. ments are being prepared.

Retail Trade in October.—Board f Trade statistics show that weekly sales 1 October by large-scale retailers of cheists' goods were 4.2 per cent. higher 1 value than in the corresponding month year earlier and represented a seasonal e of 2 per cent. on September 1950. Of e sample of large-scale retailers, departmen. stores showed an increase of 8.7 per ce multiple shops of 3.7 per cent. and operative societies of 5.5 per cent., we compared with October 1949. The curlative (February-October) rise in weey sales amounted to 10 per cent. Stocks gl erally were valued (at cost) 10 per oft higher at the end of October company with the corresponding time a year earl Trade of independent retailers in Octo: was down by 3 per cent. on the same b is cumulative (February-Octo sales were valued 2 per cent, higher t for the same period in 1949. The in > number of sales per week by independent in October was 97 (1947=100).

LOCAL NEWS

Staff Entertained.—The staff of Brome Schimmer, London, S.E.I, were enterined by the company to a Christmas rty and visit to a theatre in London rently.

Pharmaceutical Display at Runcorn.—
ne Evans Scientific Society arranged an
at home" which was held at the Evans
ological Institute, Runcorn, on Decemr 13. Demonstrations and displays illusating techniques and developments in the
eparation; standardisation and control of
edical, veterinary and pharmaceutical
oducts were on view in the various dertments of the Institute. Invitations had
en extended to pharmacists and doctors
Liverpool, Warrington and Chester.

Bowling Club Dinner. — The annual mer of "Dunhart" (the bowling club Duncan, Flockhart & Co., Ltd.), was ld in Edinburgh on November 25, Mr. Pow presiding. Prizes were presented Mr. W. J. Gray (a director of the comny). A toast was proposed to the club Mr. D. Thomson (T. & H. Smith, Ltd., which Dr. E. J. Holder (managing rector, Duncan, Flockhart & Co., Ltd.), plied. The prizewinners were:—Club ampion, Mr. J. Bruce; runner-up, Mr. Bell. In the pairs competition Messrs. Campbell and J. Blyth were the winrs, and Messrs. J. Hume and A. Powere runners-up.

Visits Research Laboratories .to hirty members of the Guild of Public narmacists from the Midlands, Hampire, Sussex and the West of England ited the Wellcome Museum of Medical ience and Wellcome Historical Medical brary at Euston Road, London, on ovember 2. After lunch they were shown und the Wellcome Research Laboratories, ckenham, and were afterwards enterined to dinner in London.—The annual nference of Burroughs Wellcome & Co. presentatives opened on November 6. he programme included a day at the ellcome Research Laboratories, Beckenm, followed by dinner with the directors the Wellcome Foundation. Mr. C. Goron Oakes (joint managing director) resided.

N.H.S. in London.—The half-yearly port of the London Executive Counl, recently published, showed that the tal payments made by the Council the six months ending September

30 were £5,628,381 of which £1,255,005, plus £4,104 for rota services, was for pharmacists. The corresponding figures for the same period in 1949 were £5,669,248; £1,211,255 and £3,188 respectively.—Ten prescription test reports were considered by the London Pharmaceutical Service Committee recently. One chemist, who had apparently dispensed dilute nitrohydrochloric acid in place of dilute hydrochloric acid in mist. gent. acid., N.F., attributed his error to disarrangement of the dispensary by re-wiring operations. Another, in explanation of a 48 per cent. deficiency of ammonium chloride in mist. ammon. chlorid., N.F., said that the mixture had been issued by a locum who was accustomed to use a double-strength stock mixture, whereas his own stock was singlestrength. The committee recommended that each pharmacist should be censured and the Minister of Health asked to withhold £3 3s. from the contractor's remuneration. Two unfavourable reports on dressings were discussed. The chemists concerned had referred the cases to their suppliers, who had suggested that a sample of cotton wool in question had lost weight through loss of moisture; no further action was taken. The deductions of one halfpenny in the £ per contractor for administration expenses of the London Pharmaceutical Committee are in future to be applied to each individual payment.

IRISH NEWS

Students' Journal.—The first issue of the Irish Pharmaceutical Students' Association's journal, "The Pharmacy Student," will appear during December. Copies may be had, price 6d. each, or $8\frac{1}{2}$ d. post free, from the secretary of the Association, c/o College of Pharmacy, 67 Lower Mount Street, Dublin.

Strychnine Regulations Statement.—In reply to a question in the Dail on December 7 as to when it was proposed to introduce fresh legislation governing the sale of strychnine, Dr. Noel Brown (Minister for Health) said that the sale of strychnine was already governed by the Sale of Poisons Act, 1870, which made a distinction between strychnine and strychnine preparations. Whilst it provided for the strict control of the sale of strychnine he was satisfied that a more effective control of the sale of the preparations and admixtures of strychnine was desirable. The question of providing such control by way of an

Order had been receiving attention, and should it be found impracticable, because of legal difficulties, to make such an Order, consideration would be given to the introduction of amending legislation.



PRESENTATION OF GOLF PRIZES TO IRISH CHEMISTS. — Mr. D. Mangakis (sales director, Goya, Ltd.) presents one of the prizes to Mr. J. A. Hurson, M.P.S.I., Dublin, at the final outing of the Irish Chemists' Golfing Society at Hermitage, co. Dublin. The prizes were donated by Goya, Ltd., and M. G. Baynes & Co., Ltd. On the extreme left is Mr. Joe Lynch (captain of the Society). Also in the picture are Messrs. J. P. Kissane (vice-president of the Pharmaceutical Society of Ireland), David Woulfe (president, Irish Drug Association), J. J. Roche, P. Slattery, F. J. Roche, W. McMullan and G. Baynes.

OVERSEAS NEWS

Japanese Pharmacists.—At the second Japanese national examination for pharmacists held recently 1,888 candidates out of 1,992 were successful.

Ceylon State Factory? — The Ceylon Government has drawn up an estimate for establishing a Government pilot pharmacy for the manufacture of ayurvedic medicines. The estimated gross revenue from the sale of drugs annually is Rs. 450,000. Machinery that will need to be imported for the scheme includes a preliminary crusher and disintegrator and a pill-making machine.

Cardiologists at Factory.—During the first World Congress of Cardiology which met in Paris recently, several hundred doctors who were members of the Conference visited the Nativelle factory at Longjumeau (see p. 681). They witnessed the preparation of crystalline digitaline, ouabaine Arnaud, and Neriol, a new glycosidal preparation. Before the Conference disbanded opportunity was taken to form an International Society of Cardiology.

Camphor from O. kilimandscharicum
The Government Forest Research Instit
Dehra Dun, India, has investigated (
mum kilimandscharicum (Labiatæ) and
found that a plantation of one acre
be expected to produce an annual aver
yield of 60 lb. of camphor and 40 lb.
camphor oil. A higher yield of camp
is possible where the soil is heavy v
impeded drainage. An earlier incor
report (see C. & D., May 20, p. 630)
ted that the Research Institute had of
ducted experiments with the Ceylon p
madurutala (O. sanctum).

Catholic Pharmacists at Rome Catholic gress. - The first International Cath Pharmaceutical Congress, which was la in Rome recently, attracted a large n ber of pharmacists from many countis The Congress, which was presided by Dr. M. Parat, France, was opened signor Gonella, Minister in the Ita Government, Mr. P. C. Cahill represer Irish pharmacy. Dr. Oliviere (a men of the Italian Chamber of Deputies, a pharmacist) acted as secretary to Papers dealing with var Congress. aspects of pharmacy were read by resentatives of the Italian, French and I gian delegations. Mr. R. J. Dunne, M.H. Great Britain, explained the present we. ing of the National Health Scheme in E land and Scotland. At a Papal Audie the Pope addressed members attending Congress.

International Film Congress. — International Scientific Film Association fourth annual Congress and Festival Scientific Films was held in Flore Great Britain, which cor recently. buted about 30 per cent. of the tota 120 films, was represented by a delegan of ten members, including representate of the Scientific Film Association of G Britain, the British Council and the Roa Photographic Society. Decisions reac during the Congress provided for the ting-up in Brussels of the first Internation Reference Film Library of scientific fils the adoption of a standard system recording, and interchanging internat i ally information about scientific films. Congress passed a resolution recommed ing film makers to produce films illustra how greatly recent advances in scie (including medical science) can contrib to the well-being of man. Mr. John MI dison (Great Britain), was appoir President, 1950-51.

TOPICAL REFLECTIONS

gislation in Northern Ireland

The announcement that legislative prosals are to be introduced in the Parliant of Northern Ireland (p. 647) will buse interest on both sides of the Irish a. When the Pharmacy and Poisons Act orthern Ireland), 1925, was printed in l in your issue of August 29, 1925 cupying more than eight quarto pages), ead it with attention. It seemed to me n, and still seems, a notable example of eful drafting based on expert advice; I it has worn well. For the first time, believe, in any Act of Parliament affectany part of the United Kingdom, a inition of sale by wholesale was given. tion 16 (3) of the Act lays down defie conditions qualifying any sale for that ignation. One feature of this section that, in contradistinction to the (Great tain) Dangerous Drugs and Poisons mendment) Act, 1923, sales to regis-ed medical practitioners, dentists and erinary surgeons are recognised as whole-Much annoyance was caused in at Britain by the unbending attitude the Home Office in this matter, abolishas it did a long-established custom the trade in this class of substances. cussion of the proposals mentioned will doubt be thorough. It will be a happy nt if the twenty-fifth anniversary of the ciety's formation coincides with the passof another sound Act of Parliament.

Notable Centenary

Your illustrated account of the centenof Hopkin & Williams, Ltd. (pp. 656brings before us a typical chapter of history of chemical manufacture. For re than half that period of a hundred rs I have been familiar with the chemiof this well-known house; and the ails given in your issue of December 9 w that confidence in them is general. the remarks made or reported at the tenary dinner may be added the fact t Mr. John Williams was president of Pharmaceutical Society from 1876 to 9. If I remember rightly, his portrait gs in the Society's Council chamber; during the 'seventies you included him a series of biographies of leading mems of the drug and chemical industry. neone with the requisite leisure might our us with a chronological list of the ncipal British chemical and

houses. In your Special Issues of July 26, 1913 and June 24, 1933 you published informative paragraphs, which must have entailed much preparation, on many of these old-established firms and companies. Most of them are still with us. But what I have in mind is a dated table. As is well known, some of those whose roots go back furthest into the past have in course of time amalgamated with others: in the process their names have not always been retained. At the head of the list there could be, unless any better claimants put in an appearance, Kemech, Geffrey, Hester and Hyll, the distillers of medicaments named by George Baker in 1576 in "The Newe Iewell of Health.

Dogmas about Disease

The scholarly caution evidenced by Sir Lionel Whitby in his Hastings lecture headed "Can Disease Be Prevented?" (p. 636) sent my thoughts back to a time when some members of his profession were not so circumspect. A curious feature of eighteenth-century medical literature is the readiness of a few authors to dogmatise about causes of and cures for many kinds of disease. Two names readily come to mind in this connection. The earlier of the two authors was Nicholas Robinson. who in 1725 issued "A New Theory of Physick and Diseases, Founded on the Principles of the Newtonian Philosophy." In setting forth the purpose of this book Robinson left a loophole for escape in the event of his system proving to be "but a Castle in the Air." As he grew older, however, he became more positive, not to say rash, in his statements. One of his last efforts was "A Treatise on the Virtues and Efficacy of a Crust of Bread, Eat early in a Morning Fasting." Another medical author obsessed with a system was John His principal work, "Elementa Medicinæ," appeared in 1780, and was translated by him into English. According to him, all "general" diseases have two forms, sthenic and asthenic; there are also, he states, sthenic and asthenic diseases—presumably invariable in form. With these and a few more postulates firmly in mind, prescribers could find their work quite simple. It is recorded in the Dictionary of National Biography that in 1802 students at the University of Göttingen fought each other on the question of the merits **Xrayser** or demerits of the treatise.

NEW COMPANIES

E. Harris (Chemist & Opticians), Ltd. (P.C.).—Capital £2,000. To carry on the business of dispensing chemists and druggists, opticians, etc. Ellis Harris, M.P.S., and Sydney Phillips, directors. R.O.: 953 Ashton Old Road, Higher Openshaw, Manchester.

Chiswick Products (Pakistan), Ltd. (P.C.).—Capital £50,000. To carry on in Pakistan or elsewhere the business of manufacturers, buyers and sellers of polishes, chemists, druggists, etc. John McLaren, Frank D. May and Arthur M. Mason, directors. R.O.: Burlington Lane, London, W.4.

BUTE & Co. (EVERCREECH), LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale and retail chemists and druggists, etc. Mildred N. Udall Swain, Rita M. Udall Swain and Cora M. Bradley, M.P.S., directors. R.O.: c/o J. & A. W. Sully & Co., 55B Oxford Street, Weston-super-Mare, Somerset.

IRRADIATION RESEARCH & DEVELOP-MENT, LTD. (P.C.).—Capital £100. To arrange for the development of irradiation processes for the purposes of the sterilisation and preservation of pharmaceuticals, food and food products, etc. First directors are to be appointed. Reginald A. Starnes, secretary, c/o Milton Manor, Marlborough, Wilts.

Kylon, Ltd., (P.C.).—Capital £10,100. To develop, manufacture and market biological, pharmaceutical and chemical preparations and appliances especially those concerned with the enhancement and control of fertility, etc. Ernest F. Budd, Robert Fraser, Otto Koblitz and Andrew W. Letts, directors. R.O.: Central House, Finsbury Square, London, E.C.2.

Fromosan, Ltd. (P.C.).—Capital £100. To take out, apply for and acquire letters patent, brevets d'invention, licences, concessions, secret processes and inventions, and to act as analytical and consulting chemists, etc. Walter H. Engel, Herbert J. Wells, Thomas Travers Clarke and Cyril J. F. Mitchell, directors. R.O.: 103 Cannon Street, London, E.C.4.

Santa Monica Laboratories, Ltd. (P.C.).—Capital £1,000. To acquire the business of manufacturers and distributors of pharmaceutical, cosmetic and toilet preparations carried on at 3 Buckhurst Hill, Essex, as Santa Monica Laboratories.

Stanley W. Cubberley and Edna M. C berley, directors. S. W. Cubberley, setary. R.O.: 60 Fore Street, London, N

Mangers Chemical Co., Ltd. (P.C. Capital £100. To acquire the respect undertakings of Shaka Salt & Chem Co., Ltd.; Quickstryp Chemical (Ltd.; Mangers Garages, Ltd.; and M. Lyon, Ltd.; and carry on business of chists, druggists, drysalters, manufacturer and dealers in soaps, detergents, etc. Scitors: Clifford-Turner & Co., 11 Jewry, London, E.C.

Directors Appointed

CARNEGIE CHEMICALS, LTD., and CNEGIE QUININE WORKS, LTD.—Mr. George Cruikshank (general manager) and Mr. McLean (works manager) have been pointed to the boards of the two compars

Voluntary Liquidations

L. NEVILLE & SON, LTD., chem's Cambridge House, Darfield. Liquidat : J. Downes Sampson, Park Street, Wowell, near Barnsley.

A. Franks (Wholesale), Ltd., whe sale photographic dealers, 3 South Ke Street, Manchester, 3. Liquidator: D. C. A. Green, 333 Corn Exchange, Mancheter, 4.

A. FRANKS, LTD., opticians and phographic dealers, 95-97 Deansgate, Nuchester, 3. Liquidator as for A. Franciscolesale), Ltd.

J. BAILEY (CHEMISTS), LTD., chen and opticians, 41 King William Str t London, E.C.4. Liquidator: Thomas H 2 Amies.

PHIL-SANO, LTD., manufacturing (2) mists, Wharfe Lane, Bourne End, Bu s Liquidator: Miles E. Baker, 9 Southapton Place, London, W.C.1.

BUSINESS CHANGES

CONSOLIDATED CHEMICALS, LTD., It removed to Bridge Road Trading Est Wrexham, Denbighs.

The telephone numbers of Edw of Gurr, Ltd., 42 Upper Richmond Roll East Sheen, London, S.W.14, are Ps pect 8051 and 7606.

Boots, Ltd., are opening new brand at 216 Stow Hill, Newport, Mon, and Station Road North, Forest Hall, Newca on-Tyne, on December 12,

HE WEEK IN PARLIAMENT

. R. F. CROUCH asked the Minister Food on December 4 what was the stock olive oil and how much was in store or to January 1. MR, M. WEBB (Minisof Food) told him that no stocks were d by his Department; imports had been mitted on open general licence since tember 5, and he had no information ut the stocks of private traders.

on Imported Plant

The Chancellor of the Exchequer was ed by MR. D. L. M. RENTON on De-ber 5 whether he was aware that ple equipment imported by manufacers engaged in the export trade was ng charged customs duty and purchase at full rates, and whether he would e steps to ensure that the practice was ontinued. Mr. Hugh Gaitskell red that Section 11 of the Finance Act, o, provided for the duty-free admisof goods imported for the purpose of mination or tests with a view to proting or improving the manufacture in United Kingdom of similar goods. A ther scheme would shortly be introduced er which bona fide trade samples re-red for the promotion of our export le might be admitted free of duty and chase tax.

enues from Purchase Tax

MR. W. R. D. PERKINS asked the Chanor of the Exchequer on December 7 much revenue he had received in the financial year from purchase tax on th-paste, tooth-brushes. razor blades, nbs . . . aspirins, hair nets . . . toilet rolls . and hair cream respectively, and ther he would consider abolishing purse tax on these articles in order to reduce cost of living. Mr. John Edwards onomic Secretary to the Treasury) red that traders were not required to furreturns regarding the amounts of purse tax collected in the detail that would required to answer the question, and the rmation asked for was not therefore ilable. He could not anticipate the incellor's Budget statement.

Leplying to a written question by Mr. P. VIANT on December 7, Mr. EURIN BEVAN gave particulars which wed that of the 134 children who died n diphtheria in 1948, six were immud and 128 not immunised. In 9, sixty-seven children, of whom four immunised, died from the disease.

C. & D. RETAIL AND DISPENSING PRICE LIST

THE following changes that occurred in November should be noted. The drug index for the month is 203.5.

				Retail		1	
Cost	Item			price			
		40	7	T	oz.	I	dr.
d. per		S. (d.	s.	d.
-	A					1-	
78 oz.		_	-	-	_	I	10
90 oz.				Ì			
	mite	-	-	-	_	2	2
54 oz.	Argenti proteinat.	-	-	-	_	I	3
	Atropin. methyl.					1	
	nitras S.1.(4)	p	er	gr		0	9
66 lb.	Buchu	2	5	0	8	0	$I^{\frac{1}{2}}$
40 lb.	Calamina	I	5	0	5	0	I
48 oz.	Cinchophenum		Ŭ		Ŭ		
•	R only		_	_	_	I	0
46 lb.		I	7	0	6	0	I
96 lb.	Conf. sulphuris	3	5	0	ΙI	0	2
156 oz.			J				_
130 02.	chlor. P.1.(8)					3	9
102 dr.						3	9
102 u1.				~		0	
11-	S.1.(5)	pe	31	gr	•	١	4
75 lb.	Ext. casc.						_
	sagradæ liq	2	10	0	10	0	2
147 4	Ext. ergotæ liq.,					N.	
oz.	B.P. S.1.(5)		-	5	3	0	9
51 lb.	Glycerin. phenolis	2	О	0	7	0	I
20 oz.	Hydrarg.						
	ammon. P.1.(8)		- 1	2	ΙI	0	5
48 lb.	Inf. aurantii co.		Ш				
	conc	I	9	0	6	0	I
54 lb.	Inf. sennæ conc.	2	0	0	7	0	I
42gm	Lachesin, chlor.,				1		
1 0	B.P.C.	ре	er	gr		0	$6\frac{1}{2}$
58 lb.	Linct. diamorph.	1		0-			-
J	et hyoscyami,						
	B.P.C. D.D.	2	3	0	8	0	$1\frac{1}{2}$
75 lb.	Linct.opiicamph.	_	3		Ü		- 2
/3 10.	co., B.P.C.				-		
	P.1.(13)		0	0	10	0	2
60 lb.	Tig iodi navos	3	- 1		8	0	11
	Liq. iodi aquos.	2	5	0	O	U	1 2
75 lb.	Mist. bismuth.					_	0
11.	hydrox		10	0	10	0	2
144 lb.	Ol. eucalypti	5	2	I	6	0	3
36 oz.	Pepsinum		.	5	3	0	9
90 oz.	Podophyllin.						
	resin., B.P.	-		-	- 1	2	I
174 lb.	Sennæ fruct.						
	Alex. No. 1	6	2	I	10	0	$3\frac{1}{2}$
102 lb.	Tinct. benzoin						
	co	3	8	I	0	0	2
204 lb.	Tinct. opii						
	S.1.D.D.	7	3	2	2	0	4
162 4	Tragacanth.						
oz.	pulvis No. 2			5	9 1	0	IO
			_				

MARRIAGES

COLLINS—FORRESTER.—At the Lancaster Priory and Parish Church recently, Ronald William Collins, M.P.S., 40 Schofield Street, Haphershaw, Oldham, Lancs, to Beryl Forrester, Lancaster.

Normanshire.—MagLean. — At Greenbank Church, Clarkston, on December 4, Jesse Normanshire, M.P.S., 19 Walker Street, Paisley, to Margaret Harley MacLean, Busby, Renfrews.

SMITH—GLADSTONE.—At Dunfermline Abbey, on December 2, Cyril Smith, youngest son of Mr. H. J. C. C. Smith, M.P.S., Forest Drive, Theydon Bois, Essex, to Mary Ellen Gladstone, Dunfermline.

Taylor—Harker. — At St. Stephen's Church, Burnley, Lancs, on December 5. Alec J. Taylor, M.P.S., 161 Oxford Road, Burnley, to Deryn M. Harker, Burnley.

DEATHS

Crawford.—Recently, Mr. James Crawford, M.P.S., 11 Albert Road, Wolverhampton, aged sixty-seven. Mr. Crawford was formerly a director of Martyns, Ltd., Wolverhampton, later becoming a group manager for Timothy Whites & Taylors, Ltd., by whom the business was acquired. For the past two years he had been manager of their Queen Street Branch.

Delevingne. — On November 30, Sir Malcolm Delevingne, K.C.B., K.C.V.O., a member of the Council of the Pharmaceutical Society 1934-46, aged eighty-two. Sir Malcolm was one of the original members nominated by the Privy Council under the Pharmacy and Poisons Act, 1933. He entered the Home Office in 1893 and remained there until 1933. Sir Malcolm was closely identified with the administration of the Dangerous Drugs Acts, was delegate to the International Opium Conference, Geneva, 1923-25, a representative on the League of Nations Opium Committee, 1921-34, and chairman of the Supervisory Body of the International Convention of 1931 for the limitation of manufacture of Dangerous Drugs. The funeral service was held at St. Matthews Church, Bayswater, London, on December 4.

Gellatly. — On November 29, Mr. George Gellatly, 34 Westholme Avenue, Aberdeen, aged eighty-six.

Henderson. — On November 28, suddenly, Mr. David Henderson, M.P.S.I., M.P.S.N.I., 549 Lisburn Road, Belfast. Mr.

Henderson qualified under the Pharma tical Society of Ireland in 1903 aftering his apprenticeship in Holywood, Down. He was later employed by Gra & Co., Ltd., and then became manage Davidson & Murray, Ltd., Alberth Road, Belfast. He opened his busines. Lisburn Road about twenty-five years

MACAULAY.—At a hospital in Glas on November 25, Mr. Donald Maca M.P.S. Mr. Macaulay qualified in 1 The funeral service was held at the matorium, Western Necropolis, Glasgov November 29.

MAGKENZIE. — At a nursing hom Aberdeen on November 27, Mr. J Mackenzie, M.P.S., 66 Holburn St Aberdeen. Mr. Mackenzie qualified 1909.

PROUDMAN. — At his home, 5 let Avenue, Barnstaple, Devon, Mr. Ed Proudman, aged eighty-seven. A native Hereford, Mr. Proudman qualified chemist and druggist in 1888. Emigralater to Australia, he set up in bus on his own account. In 1906 he retue to England and went into business High Street, Barnstaple. Mr. Proud was a prominent Freemason. He is evived by his widow.

VINCENT.—In Paris, recently, Prof Jean Hyacinthe Vincent, M.D., Sc.D., F.R.S., bacteriologist and clinician, eighty-seven. Born in 1862, he becar student of the then new science of back ology. In 1896 he was appointed Assi 1 Professor at the Val de Grace Mil r Hospital in Paris, Elected a member o Académie de Médecine in 1907, he appointed Professor in the Val de Co Hospital in 1912. Later, as head of anti-typhoid vaccination laboratory of French Army he discovered the neurot i and the enterotoxin produced by the phoid bacillus, and worked out a method of inoculation against typhoid a paratyphoid. The method was in ger use from 1915 and was the means of ing the lives of large numbers of solor His name is perpetuated in Vincent's 1 gina and Vincent's reaction in cere spinal meningitis.

WATERS.—On November 22, Mr. Go Waters, M.P.S., 53 Melrose Avenue, I ham Wood, Herts, formerly of Timpe Ches. Mr. Waters qualified in 1925, was chief chemist at Evans Chem Ltd., Boreham Wood, Herts.

PERSONALITIES

MISS SHEILA MIDDLETON, Aberdeen, been awarded the Petrie Trust Bury for 1950.

MR. T. L. BOWYER, Ph.C., F.R.I.C., o was recently appointed head of the



department of pharmacy, City of Liverpool College of Technology, qualified in 1928 then from the Liverpool School of Pharmacy, after an apprenticeship with Mr. J. Wood. Wallasev Ches. After further experience with Clay & Abraham, Ltd., and in the analytical laboratory of Ayrton, Saunders & Co.,

" Liverpool, he was appointed lecer in pharmaceutical chemistry in the artment of pharmacy, Birmingham tral Technical College in 1934, later oming senior assistant

IR. H. HUMPHREYS JONES, Ph.C., forly principal of the Liverpool School of rmacy, has been elected High Sheriff Carnarvonshire, and will take up the e in January 1951.

DR. DAVID McCall (resident secretary cotland of the Pharmaceutical Society) ressed the Publicity Club of Glasgow 'The Chemist and the National Health rice' on December 8,

IR. WALTER AMOR is, as recently sta-(C. & D., December 2, p. 608), leav-Solport Bros., Ltd., to set up in busion his own account, but Mr. Walter Amor remains the sundries buyer for clay & Sons, Ltd., 95 Farringdon et, London, E.C.4.

fr. Andrew Donald (packing room ager of Brook, Parker & Co., Ltd., Iford) is to retire at Christmas after seven years' continuous service with company. His length of service creates cord in the history of the company. completing fifty years' service he reed a presentation from the directors staff.

IR. H. MILES LEITH was, on Novem-23 ordained a minister of the Church cotland and inducted to the charge of Torphins, Aberdeens. Mr. Leith graduated M.A. at St. Andrews two years ago and entered his divinity course at St. Mary's College, St. Andrews. He qualified as a chemist and druggist in 1927, and was formerly in business at St. Andrews.

Mr. F. A. R. Phillips, the newly-appointed sales manager of Fontaine (Perfumes), Ltd., Castle Bromwich, Warwicks, was born in Edinburgh, and after being educated at George Watson's College, entered the Royal Bank of Scotland as an apprentice. On his return from the first world war in 1919 he took an appoint-ment with Lloyds & National Provincial Foreign Bank, Ltd., Paris, and quickly gained promotion to an executive position. The "road," however, had a strong call for him, so he gave up banking to join the late Sir Alex. Grant for those duties. He travelled all over the south of France and Corsica for many years, A member of Incorporated Sales Managers' Association since 1938, and treasurer of the Birmingham Anglo-French Society, Mr. Phillips is well known in the Midlands. He intends to get out on the road again and meet all his customers.

MR. C. A. QUINN, M.P.S.I., M.P.S.N.I.. Belfast, the newly-elected president of the

Ulster Chemists' Association, joined the Executive Committee of the i n Association 1941, was its vicepresident in 1949, and was elected the same year a representative the Belfast Chamber of Trade. He is a member of the Northern Ireland Chemists Federation Committee. and a member of



the Claims Tribunal under the Health Services Act. In 1925, when he qualified under the Pharmaceutical Society of Ireland, he gained first place in the examinations. Two years later, after registering as a pharmaceutical chemist in Northern Ireland, he opened a business on his own account in Castle Street, Belfast, later removing to 479 Falls Road, his present address.

TRADE NOTES

Chicken Essence Again.—Brand & Co., Ltd., Vauxhall, London, S.W.8, are again producing Brand's essence of chicken, (off the market for some years. An announcement appears in this issue.



Pre - war Speciality Returns.—Coty (England), Ltd., Coty House, 3 Stratford Place London, W.I, are reintroducing on January 25, 1951, Avocado beauty milk as illustrated. They claim that as the preparation is rich in vitamins A, D and E it has important rejuvenating, protective and curative properties when applied to the skin.

An Address Corrected.—F. C. Calvert & Co., point out that their address is Gibbon Street, Ashton New Road, Manchester, 11, and not as erroneously given in a recent announcement by the company.

Film Catalogue. — Imperial Chemical Industries, Ltd., have produced a looseleaf catalogue of films available for borrowing (free of charge) through the I.C.I. Film Library, Bolton House, Curzon Street, London, W.1.

Window-dressing Competition. — Particulars of and display material for a window-display competition open to retailers of Brumas soap are available from the sole distributors, Castle Coaps of Cambridge, Ltd., Kirkby, Liverpool.

Change of Name.—Menley & James, Ltd., 123 Coldharbour Lane, London, S.E.5, state that, from January 1, 1951, their product Mandamine, already known in export markets as Mandelamine, will now take the latter name in this country.

Regional Advertising.—Blakey's Food Co., Ltd., Lincoln, England, have embarked on the first of a series of advertising and selling campaigns for Blakey's malted oatmeal. The campaign covers the counties of Lincolns, Leics, Notts and Rutland. In connection with the campaign a recipe competition is being organised, the closing date for entry of which is December 13.

Rubefacient Cream. — Ciba Laboratories, Ltd., Horsham, Sussex, are intro-

ducing a new rubefacient prepara Trafuril, for use in the treatment of r matic and peripheral vascular condit. The active principle of the product is tetrahydrofurfuryl ester of nicotinic which is incorporated, at 5 per cent. centration, in a water-miscible cream for local application. Trafuril is b issued in 20-gm. tubes and 1-lb. jars.

Hydrophilic Tablets and Granules Harker Stagg, Ltd., 8 St. George St Hanover Square, London, W.I., have in duced Celevac (methylcellulose), a hyphilic substance for use in the treatmof constipation and certain forms of dhæa. Celevac is claimed not to cause tation or other undesirable side-effect is presented as palatable, chocolate voured tablets in containers of forty 250 and 1,000, and as sweetened grain containers of 100 gm.

Quality Unimpaired. — Prentif, Long's Court, St. Martin's Street, Lon W.C.2, announce that the quality of Prentif vaginal diaphragms and other ducts approved by the Family Plar Association is unaffected by recent sca and reported deterioration of latex rul Messrs. Prentif state that they hold cient stocks of raw materials, packatetc, to ensure prompt delivery to home and export markets for semonths ahead.

"Two-way" Skin Treatment.-I: national Laboratories, Ltd., 18 Old T London, S.W.4, announce that a new way skin treatment, F 99, for us eczema, psoriasis, furunculosis and var leg ulcers, is being made available ta chemists early in 1951. The product resents the only fatty acid having a dard biological activity at its high count Window display materia tration. F99 is issued by the me available. in packs of twenty capsules and a ointment in 2-oz. jars.

Price Changes.—BRITISH CHEMICA
BIOLOGICALS, LTD., 43 Regent S
Loughborough, reduced on Decembe
the prices of the dispensing pack
B.V.U. tablets (Genatosan). The pri
the retail pack is unchanged. The m
point out that B.V.U. tablets may be
plied on prescriptions calling for t
valeton tablets, B.P.C.—John Bell, I
& Lucas, LTD., Oxford Works, We
Bridge Road, London, S.E.26, anno

ghtly higher prices from January 1 for arnacton, a product of the Cavendish nemical Co. (New York), Ltd., for whom ey act as sole distributors.—In a circudated November 22, Coty (England), rp., Coty House, 3 Stratford Place, Lonn, W.1, give details of price alterations at came into effect on November 27.— C. Eno, Ltd., Watford, Herts, are ineasing on January 1 the retail prices of nneford's fluid magnesia, of which they the sole distributors and selling agents. EVANS MEDICAL SUPPLIES, LTD., Speke, verpool 19, have issued a duplicated cet of price alterations made necessary their "A" list, together with a numr of deleted items.—KEEN, ROBINSON & D., LTD., Carrow Works, Norwich, anunce that the consumer prices of Robinn's "patent" Groats are being increased

came operative to the trade, hospitals d the public on December 1.

Adaptable Safelight Lamp.—The Kodak whive safelight lamp recently introduced

December 18.—Roche Products, Ltd.,

elwyn Garden City, Herts, state that w increased prices for Saridone tablets



by Kodak, Ltd., Wealdstone, Harrow, Middlesex, is an all-purpose darkroom lamp that can be converted in a few moments from a bench- to wall-lamp or suspended by chains from the darkroom ceiling. Ιt consists of a

me-shaped white enamelled reflector nich pivots in a stirrup fitting; to this attached a circular base plate on which e lamp stands firmly on bench or table. to $5\frac{1}{2}$ -in. diameter safelight fits into the astic rim which screws on to the lamp. ne safelight is supplied with each lamp.

Christmas Holidays. — The following we notified that they will be closed from iday evening, December 22, until Wedsday morning, December 27: Burdens Wellcome & Co., 183 Euston and, N.W.1 (emergency staff on duty til 4.30 p.m. on Friday and between 30 a.m. and 12.30 p.m. on Saturday and uesday); W. B. Cartwright, Ltd., Rawn, Leeds; Ciba Laboratories, Ltd., orsham, Sussex; Richard Daniel & Son, d., Derby and Ashton-under-Lyne; Laxo Laboratories, Ltd., Greenford,

Middlesex (skeleton staff available 8.30 a.m. until 12 noon, December 23); Menley & James, Ltd., 123 Coldharbour Lane, London, S.E.5; Paines & Byrne, Ltd., Greenford, Middlesex (urgent supplies from John Bell & Croyden, 50 Wigmore Street, London, W.I.—The following will close from mid-day December 22 until Wednesday morning, December 27: Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2 (urgent post orders dealt with on Saturday morning, December 23); H. R. Napp, Ltd., 3 Clements Inn, London, W.C.2 (emergency supplies from John Bell & Croyden, 50 Wigmore Street, London, W.T., or R. Woolby Brooke, 38 Gloucester Road, London, S.W.7).—The London offices of the Pharmaceutical Society of Great Britain will be closed from Friday evening, December 22, until Wednesday morning December 27.

Proprietary Articles Trade Association

Alterations to Protected List (Part 1). Fynnon, Ltd. (agents: Macleans, Ltd.), Fynnon salt, 16s. 9d. doz., tax 33\frac{1}{3} per cent., inclusive retail price 2s. 3d.

Musterole Fine Products Co., Ltd., Children's Musterole, 1-oz. jar, 19s. 9d. doz., tax 33\frac{1}{3} per cent., i.r.p. 3s. 2d.

Roche Products, Ltd., Saridone brand analgesic tablets, box of ten, 14s, doz., tax 33\frac{1}{3} per cent., i.r.p.; 2s. 2d.; bottle of fifty, 56s. doz., tax 33\frac{1}{3}\%, i.r.p. 8s. 7d.

Dr. Earl S. Sloan, Ltd. (agents: Wm.

Dr. Earl S. Sloan, Ltd. (agents: Wm. R. Warner & Co., Ltd.), Increased prices December 11, Sloan's liniment, chemists' pack:—2½-oz., 17s. 6d. doz.; 6 doz., 16s. 9d. doz.; 12 doz., 16s. 3d doz., tax 33½ per cent., i.r.p. 2s. 6d. Non-chemists' pack:—2½-oz., 18s. 6d. doz., 6 doz., 17s. 9d. doz., 12 doz., 17s. 3d. doz., tax 33½ per cent., i.r.p. 2s. 6d. Prices in Southern Ireland unchanged.

Vince Laboratories, Ltd. (agents: Wm. R. Warner & Co., Ltd.), Increased prices December 11, Vince powder, 2-0z., 18s. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s. 6d.

Wm. R. Warner & Co., Ltd., Increased prices December 11, Alka-Zane, 4-oz., 36s. doz., tax 33\frac{1}{3} per cent., i.r.p. 5s. Cal-Bis-Nate, 1\frac{3}{4}-oz., 21s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 3s.; 4-oz., 32s. 3d. doz., tax 33\frac{1}{3} per cent., i.r.p. 4s. 6d. Gelusil tablets, 50's, 30s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 4s. 3d. Veganin tablets, 10's, 12s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 8d.; 20's, 18s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 8d.; 20's, 18s. 6d. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s. 7d.

BRANCH AND ASSOCIATION MEETINGS

Turnover Under N.H.S.—At a meeting of the Norwich and District Branch of the Pharmaceutical Society held on November 8, Mr. J. B. Staniland spoke on "The National Health Service and Retail Pharmacy." Market research had shown, he said, that the increase in overall dispensing was not so great as it sometimes appeared and that the average value of the prescription had only kept pace with the rise in costs. In the past two years the proportion of National Health dispensing payments to total turnover had doubled.

Talk on Transfusion.—At a meeting of the South Shields Pharmacists' Association, held on November 13, Mr. C. H. Holland (regional donor officer, National Blood Transfusion Service) gave an illustrated address on "The History of Blood Transfusion." During the past ten years the use of blood transfusion had increased fortyfold, he said. The Greeks had knowledge of the subject two thousand years ago but the earliest account of it in this country was in 1556 when it was coupled with the name of Sir Christopher Wren.

Discussion on Work of N.P.U. and C.F.—At a meeting of the Great Yarmouth Pharmaceutical Association and Branch of the National Pharmaceutical Union recently Mr. S. J. Stearn (a member of the National Pharmaceutical Union Executive) described work carried out at Union's headquarters, and gave details of the investigation made by Executive Councils into products approved by the Chemists Federation. The address was followed by discussion, after which members said they would give C.F. more support in future

Liverpool Chemists' Association. — A talk on therapeutics was given by Mr. H. G. Sears (Bayer Products, Ltd.) to the Liverpool Chemists' Association and Branch of the Pharmaceutical Society on November 16, Mr. J. P. Murphy presiding. At a meeting held the same evening to discuss the fate of the Association's museum, Mr. J. L. Hirst announced that the principal of the City Technical College had offered to accept the museum for the use of pharmaceutical students when the new extension was built. It was decided to present the museum to the College if the College would agree to store it until the extension was completed.

Somerset Branch Meetings .- A me ing of the Somerset Branch of the Nation Pharmaceutical Union was held at Tau ton on November 16. Mr. G. March p siding. Mr. R. H. Kemp addressed meeting on the threat to organised res price maintenance and asked members give full support to the Chemists Fede tion since price cutting, if it occurr would be done by non-chemist-traders. N D. T. Evans, c/o 14 Middle Street, Yeo was adopted secretary of a committee up within the framework of the Branch stimulate C.F. enthusiasm among membe At a meeting of the Branch of the Ph maceutical Society held the same day, I W. Deacon presiding, Messrs, Ban March and Pendray were elected de-gates to attend the next Branch Represe atives' meeting in London. Members p sent passed a resolution urging the Ph maceutical Society to press for the form tion of an Army Pharmaceutical Corps undertake the purchase, supply and stora of all drugs, medical, and surgical equipme by commissioned pharmacists. A coll tion taken for the Pharmaceutical Societ Benevolent Fund realised £4 19s. 6d.

Costs and Fees Under N.H.S.—At October meeting of the Durham Branch the Pharmaceutical Society, Miss C. Mozley-Stark, Ph.C. (Ministry of Heal spoke on "Health Service Topics." O lining the work of the pharmaceutical s tion of the Ministry of Health, she s. that continuous analyses of prescriptics were conducted to provide the Department and the chemists' representative body w necessary information, such as the ext of changes in proportion of types of me caments required to be dispensed a how the rise of proprietaries from per cent, to nearly 20 per cent, was reflted in the average fee. On the pres system, just over half the chemists' monti account was computed from full pricing. newly established prescribing investigative unit was using chemists' bundles of p scriptions with exceptionally high averacosts per prescription as the starting poll for tracking down the doctors responsibly That work was already showing results a checking apparent extravagant prescribi Rises in costs of raw materials had resulin more than a 50 per cent. increase the cost of N.H.S. prescriptions for dre ings since July 1948.

NATIONAL PHARMACEUTICAL UNION

AT a meeting of the National Pharmaceuical Union executive in London on No-vember 29, Mr. H. B. Coulson presiding, hree former chairmen of the executive Messrs, John Hague, Lincoln; H. H. Marhall, formerly of Birmingham; and H. J. Martin, Christchurch) who are no longer eligible for ordinary membership of the Union owing to their retirement from business, were elected honorary members.

National Health Service

The committee considered an interim report on action being taken to finalise the case to be presented on behalf of contractors in England and Wales in the impending Whitley Council negotiations on National Health Service remuneration. A further meeting of the Central N.H.S. Committee was fixed for December 19 to receive a report from the consulting accountants on their assessment of the results of the dispensing costs survey. It was decided to make representations to the Ministry of Health, based on the results of the container costs census, concurrently with the case on oncost remuneration. Other matters affecting the N.H.S. pharmaceutical service that were considered included limitations on appliances available for supply on EC10 forms.

It was reported that the Central N.H.S. Committee had agreed with the Ministry that contractors' January overall average prescription values should be used as the basis for calculating payments on account for December. May prescriptions had been priced and the figures were available for a revised basis of payment on account. It was also reported that, after considera-tion of replies from Pharmaceutical Committees, it had been decided to recommend (i) that the present committees should continue in office for the full period for which they were elected (until June 1951); (ii) that the committees elected to take office at July 1, 1951, should be elected for a period of two years nine months instead of three years; (iii) that, after the current financial year has closed at June 30, 1951, the new committees should operate their first "year" over a nine months' period ending March 31, 1952, and that each subsequent year should be a full calendar year ending at March 31 in each year.

Representations were being continued through the National Chamber of Trade on the necessity for a scheme providing for

claims for rebate of purchase tax on broken, damaged, or otherwise unsaleable merchandise on which tax had been paid.

Remission to Industrial Court

It was reported that the employers' side' of the National Joint Industrial Council for Retail Pharmacy had declined, for the present, to negotiate a new agreement with the trades union side on minimum rates of remuneration. The decision was taken on the grounds that the unsettled state of N.H.S. pharmaceutical service remuneration, and the possibility of resale price legislation (which would maintenance seriously affect the economics of retail pharmacy), made it inopportune to do so. Informal discussions had taken place at the Ministry of Labour recently between representatives of both sides to find common The discussions ground for a settlement. had not succeeded and, in consequence, the matter would be remitted to the Industrial Court for settlement. The executive endorsed the action of its representative.

NEW DIGITALIS STANDARD

THE various stages in the preparation and assay of a new digitalis standard (the third international standard) are described in the 'Bulletin of the World Health Organisation," 1950, 9, 655, by Drs. A. A. Miles and W. L. M. Perry of the National Institute for Medical Research, London, The material for the preparation of the standard was obtained by mixing six batches of digitalis powder procured from the United States, United Kingdom and Switzer-The biological assay against the second standard was carried out in sixteen laboratories of eight different countries. The authors give a statistical analysis of the results of all the assays and describe the methods employed to obtain, by a combination of these results, a potency unit for the new standard. The unit of the third international digitalis standard is defined as the activity contained in 76 mgm. of the standard preparation. The unit differs very little from that of the second standard, which was defined as the activity contained in 80 mgm. of the earlier preparation. A comprehensive annexe cludes details of the procedures prescribed to the laboratories for the cat, guinea-pig, and frog assays. The authors also explain the advantages and disadvantages of each procedure.





CONFERRING CEREMONY IN DUBLIN

FLAGS, national and pharmaceutical, flew outside the Dublin headquarters of the Pharmaceutical Society of Ireland, on December 5, when, at a ceremony attended by relatives and friends, the president (Mr. T. C. Scott) conferred licentiateships on successful entrants to the Society's examinations. The first to receive his scroll was Mr. James O'Sullivan, co. Kerry, who was also presented with a gold medal, as the premier student of 1950 (Mr. O'Sullivan is now on the staff of Evans Medical Supplies, Ltd., Speke).

The new Licentiates were: James O'Sullivan (gold medal); John P. Burke, James N. Dunphy, Fionan St. L. Harty, Honora M. O'Neill, Denis G. Costello, Una P. Gleeson, John A. McGahan, Doreen M. Young, Michael E. Doherty, Margaret J. Gibbons, Rosaleen F. T. Murphy,

(Honours); Peter M. Cryan, Mary M. Ccter, Michael J. Cullen, Mary P. Doorl Mary Duckham, Patrick Duffy, Margar M. Fallon, Mary T. Fitzpatrick, Patric Flynn, Bridget E. Gavaghan, Mrs. Ma M. Halpenny, Catherine P. Hannon, Josphine M. Hassett, Patrick Hickey, Thom D. Higgins, Patrick J. Hughes, Mary Keane, Hannah Mary Leader, Rosar M. T. Leahy, Mary Liffey, Mary Lon Margaret M. McCann, Mary McGuin Michael S. Madden, James J. Malon Joan M. Malone, Ellen Mockler, Catherir Murtagh, Margaret B. Nolan, Mary O'Callaghan, Nora M. O'Callaghan, Hen J. O'Meara, Joseph W. O'Brien, Shaun l O'Brien, Riocard C. O'Higgins, Eleanc Ryan, Charles A. Roche, James P. Roch Brendan J. Smith, Margaret Stokes, Josep Staunton, Nora Twomey, Edward J. Walsh

NEWS IN PICTURES



DISPLAY SERVICE.—Specially equipped van of Westminster Laboratories, Ltd., with display representative, now servicing chemists.



WORKS VISIT.—Cardiologists at World Congress visit Laboratoire Nativelle, Paris (see p. 670).



CHRISTMAS PARTIES.—Over 200 employees and staff of Stafford Allen & Sons, Ltd., London, were recently entertained by the directors to dinner and theatre visit. Illustration shows centre portion of top table with directors and staff. The company's Long Melford employees enjoyed a similar event locally.







CENTENARY DINNER.—Professor R. P. Linstead, Mr. Geoffrey E. Howard, Sir Harry Jephcott and Mr. J. E. C. Bailey (chairman), at centenary dinner of Hopkin & Williams, Ltd. (see C. & D., December 9, p. 656).

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L. CLIV **DECEMBER 16, 1950** No. 3695

Name, Purpose and Meaning

ofessor Adrian is no doubt right in ying, as he did at the anniversary dinner the Royal Society on November 30, at "it is a great temptation to speak of mpound E when what you really mean 17 hydroxydihydrocorticosterone."

Is he quite sure, however, that, as he med to imply, the temptation is one at should be resisted? If so, his argunt appears a little at variance with the incipal theme of his address, namely at scientists were becoming unintelligible one another because they had deoped "so many peculiar languages." To at scientists, it is fair to ask, must the me of the particular compound name he ed be intelligible? We would venture a ess that the shorter name, though a precise indication of chemical struce, is far more intelligible to the physits, botanists and others who might evince passing interest in the substance when came up for mention at a Royal Society eting, or even a more intimate interest an aspect of its structure or natural rce. And certainly to doctors, pharmas, manufacturing chemists and others ose interest in the substance is or may of day-to-day importance in their occuions, the name cortisone (or even comand E) is unquestionably more meaning--so much more that it would be for m unworkable to insist upon reference every occasion to the name which, adtedly, carries the highest degree of inigibility to "pure" chemists whenever y need a precise description.

What is wanted, as is being realised by the doctors who prescribe, the wholesalers and pharmacists who distribute, and the pharmacopæial authorities who set standards for drugs and medicinal compounds, is agreement on two names for every product—the first the full chemical name according to an agreed notation, and the second a short, easily mastered popular synonym under which it may be prescribed and dispensed. To secure that object is to secure a maximum of intelligibility for all practical purposes. Not to sanction the popular name on the one hand and on the other to allow manufacturers to multiply their own coined names for a standard compound (which incidentally is presenting a difficult problem) are equally to perpetuate a "Babel" such as Professor Adrian deplores.

Payment Figures Analysed

THE figures for chemists' earnings to which such misleading publicity was given recently in the national Press were taken from the voluminous "First, Third and Fourth Reports from the Committee of Public Accounts" (H.M. Stationery Office, price 15s.). The fourth report is the one that concerns chemists. It might have been thought that the situation would have been represented in such a publication with absolute accuracy, but even there the word "earnings" is used for "payments" in a way that can hardly be due to ignorance and must therefore be due to heedlessness. It is to be hoped that on future occasions the compilers of the memoranda will be more circumspect in their references to "earnings," and so avoid giving any false lead to those who are inclined to make a quick summary of the main facts without analysing the "breakdown." Any such analysis quickly corrects any impression that chemists earn, under N.H.S., an average of over £2,000 a year. The average number of pharmacies under contract with Executive Councils in England and Wales to supply drugs and appliances in the period July 5, 1948, to March 31, 1949, is recorded in the report as having been about 13,300. The total amount paid to those businesses in that period was £15,019,493 or an average of about

£1,130 per pharmacy. Those figures are taken to represent about seven months' payments only. For a full twelve months, therefore, it is estimated in the report that the total payments would have been of the order of £26 millions and the average per business about £1,940.

In the year ended March 31, 1950, the total actual payments in England and Wales amounted to about £30,275,000. The breakdown of payments is estimated to

have been :-

Ingredient cost £	14,174,000
Containers	£1,383,000
Oncost allowance	£4,692,000
Dispensing fees	£9,711,000
Rota payment	£314,000

The average number of pharmacies in contract with Executive Councils was about 14,260. Allowing for arrears, the total estimated payments due to chemists for the twelve months is brought up to £32 millions, and the average amount due per contractor becomes £2,244. On the same breakdown basis that annual payment is composed as follows:—Ingredient cost, £1,050; containers, £103; on-cost allowance, £348; dispensing fees, £720; rota payment, £23.

Figures for Scotland

In Scotland, the comparable figures were:—Total of payments (actual) £3,665,000. This is given as more than twelve months' dues, which are estimated at £3.500,000. The total of pharmacies is 1,750, making the average income per pharmacy £2,000. The breakdown proportions in Scotland are slightly different, as follows:—

Ingredient cost £1,843,000 £1,006 Containers £135,000 £74 On-cost allowance £615,000 £335		Total	Average
On-cost allowance £615,000 £335	Ingredient cost £	1,843,000	£1,006
	Containers	£135,000	£74
	On-cost allowance	£615,000	£335
Dispensing fees £1,072,000 £585	Dispensing fees £	21,072,000	£585
Per head of population, estimated pay	Per head of popula	ation, estin	nated pay
nents to chemists in England, Wales and	nents to chemists in	England,	Wales and

ments to chemists in England, Wales and Scotland for the first full year of N.H.S. and for 1949-50 were:—

A	1948/49	1949/50
	s. d.	s. d.
England	8 31/2	13 10 ¹ / ₇
Wales	10 4	16 1
Scotland	7 8	14 7

Handicaps of Town Planning THE Federation of British Industries, w the help of an expert committee, for mulated constructive proposals recenfor major alterations in the Town a Country Planning Acts. The Federati rightly complains that many large fir today have to maintain special departme to handle their problems of location, a to pilot their building extension proble through the long, multi-stage procedu which are currently involved. In small firms this work falls upon staff to the triment of productive activities. The p cedures require that five independent au orities have each to be satisfied with project from their respective points view, and the applicant has to make case and satisfy each in turn.

The Federation recommends a thorous review of the procedures; a cutting-down to the time allowed for decisions at estage; and in large projects, the option all Government departments concert to meet together for simultaneous decisions.

The exercise of Government powers control the location of industry is called in question by the Federation. one, it points out, knows what is the cial policy for industrial expansion of ticular areas, and the principles on what urban industrial development is to be 1 mitted are not understood. Confusion s increased when zonal planning is combiwith plans for diversifying or dispersa industry, so that a firm already in op tion may be refused permission to exp d except in a new area, while another firm perhaps even in the same industry—1 be allowed to start new work in the Cases are bidden neighbourhood. unknown where permission to dever is offered for periods of only two or the years, with a liability to be forced to molish the new buildings after that per 1 To assist planning authorities to get know the needs of local industry, the eration has set up local industrial mittees, corresponding with the area jurisdiction of those authorities. The eration believes that the adoption of 1 changes it recommends would go far to e store the incentive to develop which Acts have so seriously diminished.



At the unveiling: The artist (Mr. Geoffrey Wylde), the chairman of the Western Pharmacists' Association and organiser of the Fund R. Brooke), Mrs. Melhu-ish and the president of the Pharmaceutical Society (Mr. A. A. Meldrum).

PORTRAIT in oils of the late Mr. Andrew alph Melhuish, painted by Mr. Geoffrey ylde and presented to Mrs. Melhuish on he initiative of the Western (London) harmacists' Association, and given by er to the Pharmaceutical Society of Great ritain, was unveiled by Mrs. Melhuish the Council room of the Society's headuarters on December 6, 1950. The cereony was attended by members of Mr. (elhuish's family, the artist, and reprentatives of the West Metropolitan Branch the Society, the National Pharmaceutical nion, and County of London Executive ouncil, and Pharmaceutical Committee. MR. R. WOOLBY BROOKE (chairman of e presentation fund) said the idea that lr. Melhuish should be presented with his ortrait in oils was first mooted by Mr.

. Clement Shaw, then president of the ciety. Mr. Melhuish was delighted with e suggestion, and the Western Associaon sent out an appeal for funds, which me in well from all parts of the coun-The Western Association had taken e initiative because Mr. Melhuish had gun his pharmaceutical life in it.

Mrs. Melhuish then unveiled the porait, which hangs in a central position just hind the seat at the Council table.

THE PRESIDENT, in accepting the portrait, id that all present were conscious of a eling that their old and honoured friend d returned to the place where his influce had been felt for so long. Andrew alph Melhuish had come regularly, month month, and often more frequently, to meetings held in that room for more than thirty years. His personal connection with it had thus lasted for a period which few, if any, other members of Council could have exceeded throughout the Society's history, and it was no secret that, of the various interests to which he gave so much of his time and energy, the work of the Society's Council took pride of place. The painting portrayed him in what all associated with him at the Council table would recognise as a characteristic attitude.

Artist's Tribute

Mr. Geoffrey Wylde, on the invitation of the president to say a few words, thanked those who had suggested the portrait and chosen him to paint it for giving him the chance of meeting their distinguished colleague. Mr. Melhuish appeared to him to be one of those straightforward, simple men, who get to the top through their intrinsic honesty and perseverence; and he had great humility. Mr. Melhuish had come to him six or seven times, and always seemed to have some presentiment of his approaching end. . . .

On behalf of the Western Pharmacists' Association, Mr. Woolby Brooke presented Mrs. Melhuish with a framed photograph of the portrait, which had been taken, he said, under the auspices of Mr. Wylde. It was pleasing to know that those happenings had taken place in the sixtieth year of the Western Association, which had been celebrating one of its past presidents. Mrs. Melhuish briefly expressed her thanks.



HE subject of flavours for medicines has received little serious attention in the past, efforts to mask the objecjectionable tastes of certain medicaments having been confined to the use of essential oils, aromatic waters, syrups, glycerin, saccharin and liquorice preparations. While the production of attractively flavoured and coloured mixtures, lozenges, etc., is of general interest, it is particularly so when considering the formulation of children's medicines-a point discussed during the symposium session of the British Pharmaceutical Conference at Glasgow this year. It may be argued that it is inadvisable to render potent mixtures too attractive, but in actual fact that condition is rarely attained, since the active ingredients usually affect adversely the added flavour.

Expert Advice

The compilers of an official formulary or of a hospital pharmacopæia, when considering the inclusion of flavours, are somewhat limited in their choice of ingredients, since they must of necessity confine themselves to a few well-known aromatic substances or simple fruit syrups. Manufacturers of pharmaceutical specialities, which of course includes many pharmacists in hospital departments and in retail practice, are not hampered by any such limitations. To those formulators one cannot do better than recommend that they should submit their problems to one of the wellknown essence makers who from years of experience in a very specialised business are best able to give advice on such matters. When seeking such advice it is usually advisable to provide a sample of the unflavoured material together with information of the major constituents and dosage, since those details will often save much time and experiment in discovering incompatibilities, etc.

The first and second articles (" Elegance Includes Palbility" and " Flavouring May Not Be the Answer in this short series appeared in the C. & D., Decen 2, pp. 621 and 622. The present article concludes the t

3. FLAVOURING AND COLOURING CHILDREN MEDICINES

By G. R. A. Short, Ph.C., F.L.S.

To pharmacists who prefer to experim for themselves, a few broad princi indicating the types of flavouring applica to the various forms of medicament r be of interest. Malt extract with cod-l oil, normally purchased pre-packed, now available with added flavour. viscosity, colour and basic flavour of product suggest at once the use of to flavours consisting of blends of vanillin coumarin; butterscotch provides ano useful combination, as also does a blend orange or lemon and almond. For er l sions of cod-liver oil, nut flavours are most suitable, particularly almond, hazelnut and walnut might be tried advantage. Petroleum emulsions have a bland character are improved by the of creamy flavours such as vanilla, ma mallow, cream soda or woodruff; should be sweetened with either syrup saccharin.

Linctuses having an acid reaction themselves admirably to flavouring fruit syrups such as raspberry, chey strawberry or black-currant; they she be tinted by means of suitable colo The best results are obtained by the of real fruit-juice syrups, but should cost of those items be found prohibitive appropriate essence and colour may used in conjunction with simple sy Neutral linctuses are best flavoured essential oils such as aniseed, fenne clove, either singly or in combinat honey flavour also is very attractive. sweetening agent in these examples ma syrup or liquid extract of liquorice, wit without a proportion of glycerin.

Guarding Against Fermentation

In flavouring children's mixtures, sir remarks to those made under line apply, except that the concentration fermentation inhibitors, such as tinct

lycerin and syrup are normally lower. In iew of this, and of the fact that fruit avours do not blend well with chloroorm water, it is advisable to use fruit ssences and saccharin instead of fruituice syrups. Mixtures containing acetylalicylic acid, however, are free from this bjection, since the small amount of hydrovsis that takes place, even in the freshly repared mixture, provides sufficient salivlic acid to inhibit fermentation, Solanaeous leaf tinctures, bromides, iodides, hloral hydrate and ammonia are very ifficult ingredients to mask; it is found hat in their presence liquid extract of quorice, in combination with essential ils or aromatic waters, is still the best avouring agent. Sulphonamides also are ifficult, though reasonably successful reults can be achieved by the use of accharin and a fruit flavour such as strawerry, raspberry, passion fruit, etc.

Tablets and lozenges are perhaps more angerous forms of medication to flavour han any of the others mentioned, since hey may be mistaken for sweets. That, owever, is hardly a good reason for not haking them palatable, and the fruit

flavours or chocolate blended with vanillin are the most suitable to use. With citrus flavours used for this purpose it is inadvisable to use the natural-strength essential oils, since the terpenes present are subject to oxidation; it is preferable to use concentrated or terpeneless oils. If liquids prove difficult of incorporation in these products there is always a good range of powder flavours available, and these may also, of course, be found useful in rendering powders more attractive. For pastilles, the best flavouring agents are undoubtedly concentrated fruit juices, but if cost is important then fruit essences or essential oils may be used.

Importance of Colour

It is hardly necessary to stress the importance of colour in children's medicines, since it will be obvious. A large number of harmless food colours are available from which to choose, but they should be used in moderation, and not in such large quantities as to produce a stain on the lips or tongue of the young patient.

[The author is indebted to W. J. Bush & Co., Ltd., for permission to publish.]

MR. ARMITAGE PRESENTS A MEMORANDUM

T a council meeting of the Registered harmacists' Union on November 22, the eneral secretary (Mr. G. H. Armitage), resented a memorandum on the present osition of contractors in respect of Naional Health Service negotiations, a subect claimed to be within the scope of the Inion as a body aiming to organise all nembers of the Society to secure just and roper remuneration for services and work. At present, states the memorandum, conractors are being brought to terms by a nethod which in effect is an abrogation f the principle laid down for Whitley councils (by the Minister's first making a hange in the rates of remuneration, and nly afterwards consulting the contractors). hree organisations represent contractors N.H.S. negotiations:—(a) The Isle of Man contractors through the Manx Chemsts' Association (its members struck against ollecting a levy from the patient on each V.H.S. prescription they dispense, and the najority of Manx medical practitioners upported their action); (b) the Scottish ontractors through the Pharmaceutical General Council (Scotland) (their threatened esignation from the Service has not materialised but the advantage they gained by standing firm should not be lost sight of); and (c) the English and Welsh contractors through the Central N.H.S. Committee. The Committee would appear to be committed to entering into negotiations through the Whitley Council. It was significant that in the initial stages the Pharmaceutical Society and employee organisations of retail pharmacy had been eliminated from the Whitley Council. The employees were offered, after an acrimonious debate at the Ministry, the insertion of the "fair wages clause" in the N.H.S. contract. . . .

Reference to Tribunal

Should contractors disagree with the findings of the Whitley Council, a Statutory Rule and Order entitled "Conditions of Employment and National Arbitration" could govern the position. Having assured himself that the normal processes of negotiation are exhausted, the Minister may, if he wishes, refer the dispute to the National Arbitration Tribunal. Both sides are tied by the findings of the Tribunal; to resist them would be acting illegally.

CODEX AMENDMENTS

CODEX AMENDMENTS					
	Weight	Opii camphoratus		Calcii lactophos-	
	(in gm.)	compositus	1.08 —1.10	phatis cum ferro	1.29 —1
Preparation	per mil. at	Scillæ	1.28 -1.30	Cascaræ aromati-	
	20°C.	Scillæ opiatus	1.19 —1.19	cus	I.10 —I
A 11		Scillæ opiatus pro		Chloralis	1.31 —1
Acidum sulphuricum dilutum	1.062-1.072	infantibus Simplex pro infanti-	1.59 —1.58	Codeinæ et creosoti Codeinæ phosphatis	1.58 —1
Aqua aurantii floris	1.002-1.0/2	bus	1.281.33	Creosoti compositus	1·31 —I 1·24 —I
concentrata	0.918-0.930	Tolutanus composi-	1 20 -1 33	Ferri iodidi	1.34 —1
Aqua rosae concen-	3-1 33	tus pro infantibus	1.29 -1.32	Ferri phosphatis	. 34
trata	0.933-0.945	LINIMENTA		cum quinina et	
DECOCTA		Opii	0.915-0.935	strychnina	I ·27 —I
Aloes compositum	0	Sinapis	0.845-0.870	Ficorum composi-	
concentratum Cinchonæ concen-	1.00 -1.08	Terebinthinæ aceticum	0.90 -0.92	tus	1.52 —1
tratum	1.06 —1.10	Liquores	0.90 -0.92	compositus	1.23 —1
Sarsæ compositum	100 110	Aluminii acetatis	1.04 —1.06	Glycerophosphatum	1 23
concentratum	1.00 -1.08	Ammonia aromati-		et pepsini com-	
ELIXIR		CHS	0.980-1.002	positus	1.23 —1
Aethylmorphinæ et		Ammonii citratis		Glycerophosphatum	
terpini	1.18 —1.50	fortis	1.51 -1.53	flavus	1.531
Aromaticum	1.07 —1.10	Azorubri	1.040-1.083	Hypophosphitum	
Caffeinæ iodidi	1.13 -1.12	Bismuthi acidus Bismuthi concen-	1.13 -1.50	compositus Marrubii	1·27 —1 1·32 —1
Caffeinæ iodidi et ephedrinæ	1.12 -1.15		1.13 -1.15	Opii camphoratus	1.32 —1
Diamorphinæ et	1	Bismuthi et am-		Papaveris	1.28 —1
pini compositum	1.18 -1.50	monii citratis	1.065-1.100	Picis liquidæ	1.58 —1
Diamorphinæ et	. 3	Cantharidini	0·825—0·845 1·16 —1·18 0·798—0·810	Pini	1.23 —1
terpini	1.18 -1.50	Carmini	1.19 -1.18	Rhœ	1.30 —1
Ephedrinæ hydro-		Epispasticus	0.4080.810	Rhœados	1.25 —1
chloridi Quininae ammoni-	1.19 -1.55	Ferri hypophos- phitis	1.10 -1.17	Ribis nigri Triplex	1·23 —1 1·28 —1
atum et cinna-		Ferri iodidi	1·13 —1·17 1·43 —1·46	Triplex Tincturæ	1 20
momi	1.05 -1.07	Ferri perchloridi	143 140	Aconiti	0.890-0
Simplex	1.13 -1.14	fortis	1.42 -1.46	Aconiti fortis	0.890—0
Thymi	1.55 -1.56	Ferri persulphatis	1.441.45	Aloes	0.970-0
Valerianæ et chlor-		Ferri phosphatis	1.331.37	Arnicae floris	0.935-0
alis compositum	1.09 —1.12	Ferri phosphatis		Asafetidæ	0.000-0
Viburni	1.011.08	compositus Iodi simplex	1.50 -1.53	Aurantii concen-	0,040
EXTRACTA Aurantii liquidum	0.96 -0.99	Pancreatini	0.873-0.900	trata Benzoini	0.940-0
Cinchonæ liquidum	1.07 -1.14	Quininæ ammoni-	102 103	Buchu	0.923—0
Cocillanæ liquidum	0.92 -0.96	atus	0.919—0.927 1.21 —1.25	Cannabis	0.835-0
Euphorbiæ liqui-		Rosæ dulcis	1.51 -1.52	Cardamomi aro-	
dum	1.00 -1.04	Saccharini	1.010-1.020	matica	0.830—0
Grindeliæ liquidum	1.03 —1.09	Saponis æthereus	0.860-0.900	Cascarillæ	0.895—0
Hydrastis liquidum Jaborandi liquidum	0.97 —1.05 0.98 —1.03 0.95 —0.99	Sodii hydroxidi Sodii phenatis com-	1.030-1.040	Chloroformi com- posita	0.930-0
Kolæ liquidum	0.02 -0.00	nositus	1.03 —1.06	Chloroformi et	0 930
Opii liquidum	0.980-0.995	Tartrazinæ com-		morphinæ	I ·22 —I
Papaveris liquidum	1.00 -1.07	positus	1.070-1.085	Cinchonæ	0.010-0
Rhei liquidum	1.05 -1.15	Tolutanus	1.140-1.175	Cinchonæ compo-	
Scillæ liquidum	1.00 -1.14	Pigmentum iodi com-		sita	0.905-0
Taraxaci liquidum Thymi liquidum	1.04 —1.10 1.02 —1.10	Pigmentum tinctor-	1.25 —1.28	Cinnamomi Euonymi	0.890-0
Valerianæ liqui-	1 02 -1 10	ium	0.930-0.950	Ferri perchloridi	0.945-0
dum	0.98 -1.04	SPIRITUS	33- 0 330	Gelsemii	0.010-0
Viburni liquidum	0.93 —0.98	Aetheris compositus	0.804-0.815	Hamamelidis	0.945-0
Glycerinum thymclis		Anisi	0.840-0.850	Jalapæ	0.895-0.
compositum	1.040-1.020	Coloniensis	0.825—0.850 0.820—0.840 0.885—0.920 0.820—0.845	Kino	0.990—1.
Infusa Augustii gompogi		Juniperi	0.820-0.840	Krameriæ Lavandulæ com-	0.9280.
Aurantii composi- tum concentra-		Myrciæ compositus Myristicæ	0.820-0.845	Lavandulæ com- posita	0.825-0
tum	1.00 -1.03	Rosmarini	0.820-0.845	Limonis concen-	0013
Buchu concentra-	1 00 1 13	Saponatus	0.950-0.970	trata	0.940-0.
tum	0.08 -1.01	Saponis kalini	0.050-0.080	Lobeliæ ætherea	0.800-0.
Cinchonæ acidum		Succus allii	0.99 —1.07 0.98 —1.05	Lobeliæ simplex	0.915-0.
concentratum	1.00 -1.04	Succus taraxaci	0.08 -1.02	Myrrhæ et boracis	0.915—0. 0.873—0. 0.885—0.
Krameriæ concen- tratum	0.08 —1.06	Syrupi Acidi hydriodici	1.29 -1.31	Opii ammoniata Opii camphorata	0.005-0.
Rhei concentratum		Allii	1.56 -1.30	concentrata	0.910-0.
Injectio dimercaprolis			1.30 -1.33	Podophylli	0.840-0.
Linctus	31 330	Aromaticus	1.30 -1.33	Quillaiæ	0.940-0.
Chloroformi et		Aurantii floris	1.31 -1.33	Quininæ	0.878-0.
morphinæ com-		Bromoformi com-		Sennæ composita	0.990-1
positus	1.18 —1.50	positus	1.26 —1.30	Hydrastis	0.920-0.
Codeinæ		Calcii chloridi Calcii lactophos	1.30 -1.32	Valerianæ simplex	0.9150
- Diminor printing 11	1 - 7 . 29	Caron Monophon 11	3 32		1 3 3

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEETING of the Council of the Pharmaeutical Society of Great Britain was held n London, on December 5 and 6, the resident (Mr. A. A. Meldrum) in the hair.

The president reported, with regret, the leath of Sir Malcolm Delevingne (see p.

i74).

Revision of Examination Regulations

Commenting on the report of the Eduation Committee, in particular on the revision of examination regulations, Mr. E. A. BROCKLEHURST asked whether it would not be possible in certain circumtances for students to take some of their irticled pupilage before the intermediate examination, and the remainder after. MR. C. W. Maplethorpe (Committee chairnan) agreed that that might be an advanage. Mr. D. W. Hudson asked whether here was any explanation why the position outlined was not foreseen before the regulation was brought into force. It seemed particularly unfortunate that a regulation was brought in in one month only to be set aside by another regulation the next month. Mr. Maplethorpe replied that the gap was a number of years, and that the Ministry of Education had advised that the regulation which was brought in was practical and sensible and that it would be possible for students to take the examination. It was realised that progress had not been as rapid as the Ministry anticipated, and with some reluctance the Committee decided to revise the regulations. Replying to MR. T. REID he said that it would now be possible to proceed with the booklet "Pharmacy as a Career" and make arrangements for the maximum publicity to be given.

In a statement explaining the change the Council pointed out that since the introduction of the revised regulation several problems had arisen. For example, it was not possible for a student in Scotland through the Scottish Leaving Certificate examination to obtain exemption from the Society's Intermediate examination, and it was a hardship to students who could normally be expected to satisfy the requirements for registration as "Apprentice or Student" at sixteen, and who lived a distance from a school at which "instruction to the standard of the Society's Intermediate examination" could be obtained, to be compelled to leave home at that age to study. Those considerations had deterred students from adopting pharmacy as a career. The Council had therefore, for the time being, reverted to the

previous optional arrangements.

Changes in the examination regulations affecting persons registered as "Apprentice or Student" before June 1, 1948, were approved, so that such persons could take the Chemist and Druggist Qualifying examination based on a one-year final course of study if they had complied with all the normal requirements, except for the full period of articled pupilage. They would be required to complete the outstanding period of articled pupilage after sitting the final examination.

Greenish Memorial

A letter was received from the secretary of the School of Pharmacy of the University of London accepting the Council's offer to transfer to the School Council the Deed of Trust of the Greenish Memorial Scholarship. Authority was given for sealing the deed of transfer, and for transferring the trust investment to the School, together with £1,750 from the School, together with £1,750 from the School, together with £1,750 from the Greenish Memorial Fund in lieu of the Council's original contribution to that fund.

Procedure at Representatives' Meetings

The following new rules recommended by the Organisation Committee for inclusion in the rules of procedure for Branch Representatives' meetings were adopted:

(a) After a motion from a Branch has been moved and seconded the chairman, or other speaker nominated by the Council, will state any views of the Council or give any information in the Council's possession which the Council may consider will assist the meeting in discussing the motion.

(b) If motions covering similar ground are submitted, the Council may group or amalgamate the motions at their discretion in consultation with the Branches concerned. (c) The order in which motions are to be taken shall be decided by ballot.

MESSRS. D. W. HUDSON and G. H. HUGHES recorded their dissent to Rule (a). MR. CLEMENT SHAW thought that "when people moved things they should be given full liberty to move them." MR. T. REID (chairman of the Committee) said that it was felt that the Council would heartily

endorse it if the statement were made at an early stage rather than if people in the hall had to build up a resolution. A statement was made in the past from the platform, and he had heard much criticism of that, but if people knew that when a statement had been made they could hold their fire and pull the statement to pieces afterwards the discussion would be stimulated. The President: There is no idea in your mind of cutting out discussion? Mr. Reid: Quite the reverse. I would accept this procedure, frankly, as an experiment.

It was agreed that the annual general meeting and the Branch Representatives' meeting should be held in London on May

16 and 17, 1951, respectively.

The Council accepted a recommendation that a Branch of the Society should be formed in Rotherham.

£1,500 for Carpets

On a recommendation by the Establishment Committee that five members of Council should be appointed to examine the present provision of carpets in the Society's offices, and to incur expenditure not exceeding £1,500 in the purchase of new carpets where necessary, Mr. F. G. Wells said that £1,500 was a "tremendous amount" to spend on carpets when the Society was nearing the end of its tenure, particularly as new carpets might not fit in the new buildings. Mr. Granville Shaw said that the present was the opportune moment to buy carpets before they got more expensive.

Symposium Session Papers

The report of the British Pharmaceutical Conference Executive stated that it had ben agreed to make a trial at the Harrogate meeting in 1951 of a suggestion that the papers given by the opening speakers at the Symposium Session should be circulated before the Conference and read in abstract at the Session.

On the report of the National Advisory Council on Education for Industry and Commerce proposing inter alia the setting up of a Royal College of Technologists was noted. The Council reiterated their view that they were opposed to such a body and considered that reliance should be placed upon the developments of institutions of the existing type for progress in technological education and qualification.

The Council authorised the publication of revised or additional standards for the weight per mil. at 20° C. of preparations

in the Formulary section of the British Pharmaceutical Codex, 1949 (see p. 688)

Romford Branch.—A meeting of the Romford Branch of the Pharmaceutica Society is to be held at the Unicorn, Gidea Park, Romford, Essex on December 20, at which an address entitles "Manufacture of Glass Bottles" (with film), will be given by Dr. E. Preston.

ULSTER CHEMISTS' ASSOCIATION

AT a meeting of the Ulster Chemists' Asso. ciation on December 5, Mr. C. A. Quinr was unanimously elected President for the year. Other appointments were: Vice president, Mr. W. R. McNabb; Treasurer Mr. W. J. Rankin; Honorary Secretaries Messrs. C. Gordon Rattie and H. G. Camp bell; Auditors, Messrs, Joseph Wellwood and J. A. McRoberts; Representatives to the Joint Council, Messrs. Quinn, McNabb Rattie and W. H. Mulholland; To attend meetings of the Associates' Section by invitation, Messrs. Quinn and T. A. Gibson Emergency Committee, the officers, Miss C. E. Culbert and Messrs. Caldwell, R Gibson, O.B.E., J. C. Acheson, Gibson and McGregor; Northern Ireland Chemists Federation Committee, Messrs. Quinn Acheson, Caldwell and Mulholland; Rep. resentative to C.F. Council, Mr. Caldwell Representatives to Belfast Chamber of Trade, Messrs. Acheson and W. H. Boyd Representative to Ulster Tourist Development Association, Mr. A. Steede.

Votes of Sympathy

Votes of sympathy were passed with the relatives of the late Messrs. D. Henderson R. I. Edwards, Belfast, and J. J. McCartan, Kilkeel. The President welcomed tan, Kilkeel. Mr. H. W. Gamble (president of the Pharmaceutical Society of Northern Ireland) on his first attendance as an honorary member of the Committee, and Mr. J. A. Brown. The following were elected to membership: Miss C. B. Savage, Irish Street, Downpatrick; Richard Cleland. 46 Sandy Row, Belfast; Messrs. Stewart & Chapman, Ltd., Dungannon; Mr. C. Anderson, Moygashel (branch). The members were afterwards entertained by the president to supper at which speeches were made by Messrs. Gamble, McGregor, Steede and E. G. Mackle (chairman, Associates' Section). Entertainment was provided by Messrs. W. H. Boyd, D. Richardson, F. Reynolds and W. S. Hall,

GUIDE TO NEW MEDICAMENTS

Information about new proprietary medicaments to be supplied principally on prescriptions. Editorial recommendation is not implied. Reprints obtainable on application.

TRAFURIL CREAM

MANUFACTURER: Ciba Laboratories, Ltd., Horsham, Sussex.

Description: A water-miscible cream containing 5 per cent. Trafuril (tetrahydrofur-furyl nicotinic acid ester).

INDICATIONS: As a rubefacient in muscular rheumatism, chilblains, and other mild peripheral vascular disorders.

How Supplied: Tube of 20 gm., and jar of 1 lb.

BARBURAL

Manufacturer: Amber Pharmaceuticals, Ltd., 7-9 St. James's Street, London, S.W.I.

Description and Formula: Tablets, each containing cyclobarbitone calcium, gr. 1;
and bromovaletone, gr. 4.

INDICATIONS: As a sedative and hypnotic in insomnia and nervous disorders, Dosage: Adult: Average, 1-2 tablets at intervals of not less than five hours.

How Supplied: Tins containing 100 and 500 tablets.

BITEVAN (Vitamin B₁₂, Evans)

MANUFACTURER: Evans Medical Supplies, Ltd., Liverpool, 19.
Description: An injection solution of vitamin B₁₂ concentrate.

INDICATIONS: Pernicious anæmia, subacute combined degeneration, nutritional macrocytic anæmia and macrocytic anæmia of pregnancy.

Dosage: As directed. By subcutaneous, intramuscular or intravenous route.

How Supplied: Box of six 1-mil ampoules containing 20 μ gm. vitamin B₁₂, and single vial of 1 mil containing 100 μ gm. vitamin B₁₂.

AVLOSULFON

Manufacturer: Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Manchester.

Description: 4:4' diaminodiphenylsulphone.

Indications: Leprosy (lepromatous and tuberculoid).

Dosage: 0.05-0.1 gm. daily. Any further increase in dosage will be dictated by the response and tolerance.

How Supplied: Tablets, each containing 0.1 gm. in containers of 100 and 1,000. Sterile suspension (25 per cent. in arachis oil) in bottles of 50 c.c.; and sterile powder, for preparing a suspension in oil for injection, in bottles of 100 gm.

GANTRISIN

Manufacturer: Roche Products, Ltd., Welwyn Garden City, Herts.

Description: 3,4-dimethyl-5-(p.amino-benzene-sulphonamido)-isoxazole (also known as 3,4-dimethyl-5-sulphanilamido-isoxazole, and as NU-445).

INDICATIONS: In systemic infections due to streptococcus, staphylococcus, pneumococcus, meningococcus, gonococcus and Bacillus coli, and in urinary infections due to B.coli, B.proteus and B.pyocyaneus.

Dosage: Initially 2-6 gm., depending upon body weight, followed by 1-2 gm. every four to six hours day and night until the temperature has been normal for at least three days or until urine cultures have been sterile on three consecutive occasions. The usual precautions in sulphonamide therapy should be observed.

How Supplied: In 0.5-gm, tablets in packings of 20 and 100.

Notes: The compound is readily soluble in neutral or slightly acid body-fluids.

CORRESPONDENCE

Chemists' Incomes

SIR, - In reply to Patrix (C. & D., November 25, p. 505), I suggest that it is a pity he did not make himself familiar with the scale of salaries for hospital dis-pensers awarded at the Industrial Court on May 15, 1950, before writing his letter. Paragraph V states that candidates must have attained the age of eighteen years at the time of entry and that the salary of a "Hall" dispenser employed in a hospital is £165 at the age of eighteen years (the lowest age). How is it, then, that Patrix says he engaged a "Hall" lady aged seventeen years who, at the end of a fortnight, left him to take a hospital appointment at a commencing salary of over £5 per week? I think it is high time holders of the Apothecaries' Hall certificate should be given recognition. I count myself as competent a dispenser as holders of any other pharmaceutical qualification.

Stoke-on-Trent. M. NIVEN.

Aseptic Practice

SIR,-You rendered a signal service to the retail pharmacist when you published on August 26 (p. 288) the article on "Aseptic Work in a Shop Dispensary" and set out quite simply the equipment necessary and the space required in the retail dispensary for preparing aseptically the ordinary penicillin preparations of the National Formulary. Pharmacists the younger generation, qualified time during the past twenty years, are familiar with sterilisation and other processes, but some of the middleaged to elderly men who passed the Minor before 1920 have viewed with some trepi-dation the introduction of the modern antibiotics, the preparation of which necessitates the adoption of an aseptic technique at the dispensing counter. Since the appearance of the article referred to I have noted two events bearing on this matter. At the Chemists' Exhibition a demonstration of aseptic dispensing technique was staged, calculated to convince any doubter that, with suitable apparatus and equipment, the dispensing of antibiotic preparations is not the formidable operation it appears to the inexperienced to be. At Leicester Dr. H. Davis, of the Ministry of Health, urged all pharmacists (C. & D., November 18, p. 547) to overhaul their materials and methods and prepare themselves for an extension in the volume of this distinctly

professional work. He repeated this to South-east Federation of Pharmacists mee ing at Eastbourne. The Drug Tariff stat clearly that ear, eye and nasal drops, etc containing penicillin should be dispense by aseptic technique. It provides, movover, for the payment of a special fee for prescriptions dispensed in this way. know of no "official" description of the term "aseptic technique," but sufficien publicity has been accorded to this subjefor all pharmacists to be aware that mor careful operations are required for con pounding penicillin eye drops than for N.F. gargle. There must be a minimum level of precaution below which no pha maceutical contractor should descend, an that minimum is very reasonably stated h your contributor. My object in writing to urge all pharmacists, and particular. those who do not possess a dispensir screen, to examine anew their methods ar equipment with a view to improving the standard of their professional work. The time is opportune for an authoritative states ment to be circulated to every N.H.S. col tractor pharmacist by the National Pha maceutical Union on this matter.

ASEPTIMUS.

Recognition of the Unqualified

Sir,—It seems rather strange to reca that in pre-war days it was experience the counted and that without that it was a most impossible to procure employmen whether qualified or unqualified. Havir been an employer for the past fiftee years I have had rather extraordinary e perience in the employment of personne During the war I employed several foreign pharmacists, one of whom had to ask n in what order the ingredients of a mit ture should be added; another was e perienced but a most unmethodical ar dirty worker. Those people were put on the register owing to the shortage of pharm. cists during the war, and they have sine been placed on the permanent register, of viously owing to their high academic train ing. But the fact remains that it is sho experience that counts. I profess to kno nothing about Apothecaries' Hall or Arm dispensers, but I do know that, withou the shop experience, plus the equivaler of an old-fashioned apprenticeship, the cannot be reliable. Give me a Britis unqualified assistant who has served a apprenticeship and has had fifteen to

venty years' experience. I am certain ey could prove their worth, and that ey should be officially recognised today.

B.PHARM., PH.C.

Rutherford Memorial

SIR,—The Council of the Royal Society peals for financial support for the creaon of a suitable memorial to that great ture in twentieth-century science, the late ord Rutherford of Nelson, A special mmittee set up by the Council has for me time considered the most suitable morial, and it is thought desirable that is should take two forms: (1) Rutherd Scholarships tenable for three years, be awarded to post-graduate students thin the British Commonwealth, for rearch in the natural sciences with a prerence for experimental physics. A scholar ll normally be required to carry out his search in an Institution in some part of e British Commonwealth other than that which he graduated. (2) A Rutherford emorial Lecture to be delivered at invals at selected university centres in the itish Commonwealth overseas, at least e in three to be given in New Zealand. is proposed also to arrange for the llection, arrangement and binding of pies of Rutherford's correspondence, and preservation in safe custody for future ference. For these purposes a substantial dowment fund will be needed, and it is ped that this appeal will meet with a nerous response. Contributions may be nt to the Rutherford Memorial Comittee, The Royal Society, Burlington ouse, London, W.1, or contributions from e United Kingdom may be made by venant over seven years.

HENRY TIZARD. Chairman, Rutherford Memorial London, W.1. Committee.

A PHARMACIST'S ANTHOLOGY

"I'm come," said Martha, "to hae a ack wi' you about this get. It's time noo at he were thinking o' doing something r himsel. He's weel through his fifteen, d I would fain hae an inkling gin he o' ony capacity."

Mr. Tannyhill, foreseeing that the conrsation would turn on particulars, which ight be as well discussed in Andrew's sence, suggested that it would be proper

r him to retire.

"Ay," said his grandmother, "tak the or on your back, and play yoursel till me and the maister hae come to an understanding."

Our hero on this hint immediately withdrew; but although he took the door on his back by shutting it after him, he placed himself close to it in the kitchen, from which the room entered, and over-

heard all that passed within.

"Poor laddie," resumed Martha, when he had retired, "he's no strong; hard wark's no for him, and saft's ill to get. Noo, Mr. Tannyhill, what's your conceit? -I doubt he has nae got the cast o' grace needful to a gospel minister. James Sinney, the droggest in Kilwinning, would tak him for a word o' my mouth, if ye thought he's o' a physical turn; and John Gledd, the messenger, wha was sib to his mother, ance promised as muckle; but I canna say I hae ony broo 'o the law, for it's a deadly distemper amang friens; and Andra, though baith pawkie and slee, is a warmhearted creature, and would be o'er scrimp in the severities of justice, especially in pleas amang kith and kin."

The master replied that, of all the learned professions, he really thought Wheelie was best disposed by nature for the law. . . . "And therefore, Martha, if ye would follow my advice, a' I can say is, let him choose between Mr. Sinney and

John Gledd."

"I jealouse, sir," replied Martha, "that he has but a sma' stomach for the drog trade, and I fancy he'll tak to the law."

While Martha was thus drawing out, in the pursuit of her object, the latent and slumbering mind of the master, our hero was listening with a throbbing heart. At the mention of the ministry, a dim vision floated before him, in which the fair form of Mary Cunningham was blended with the interior of a church, and the remembrance of fifty psalms. It was, however, but the passionless association of feelings and recollections that dissolved away, and was lost in disagreeable images of the green and yellow gallipots, sores and salves, odious stuffs and bottled reptiles, with which the name of James Sinney, the druggist, was associated. The chances, by prudence and industry, of attaining riches and honours through the legal profession, determined his choice; and he put an end to the consultation by opening the door, and looking in, at the same time saying, "I'm for John Gledd's, grannie."—From "Sir An-"I'm for drew Wylie," by John Galt.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale qualties of standard quality. Prices of crude drugs and essential oils vary as to brand or gra

28 Essex Street, W.C.2, Dec. 13 Demand continues brisk in all sections of the chemical market. Home-trade demand for Pharmaceutical Chemicals has increased as a result of colder weather. ASPIRIN and the Salicylates have been in good inquiry. Price changes during the week have included increases in Mer-CURIALS brought about by the recent increase in the cost of metal. ThymoL has advanced by 4s, 6d, per lb. reflecting a rise in the cost of raw material. The Ministry of Food, in agreement with the Board of Trade, announces that, during the period from January 1 to March 31, 1951 further individual import ligarous will 1951, further individual import licences will be granted for limited quantities of doubleand triple-pressed STEARIC ACID consigned from, and originating in, any of the usual "permitted" countries. Applications for import licences should be made on Board of Trade form ILD/A which may be obtained from the Import Licensing Branch tained from the Import Licensing Branch of the Board of Trade, Romney House, Tufton Street, London, S.W.1, or from the usual Customs Offices. For administrative convenience importers are asked to send completed application forms to the Board of Trade through the Ministry of Food, Oils and Fats Division, London Road, Clappens, Middleser to a private boxes, Stanmore, Middlesex, to arrive there not later than December 27, 1950.

A steady trade has been passing in CRUDE DRUGS despite the current shortage of many articles. Styrax is in good inquiry and spot business has been done at 7s. 6d. per lb., duty paid; supplies available on the spot are scarce, though it is understood that further parcels are either about to be shipped or on the way. IPECACUANHA is in good request, but here again supplies on the spot are difficult to find. Cape Aloes continues a firm market, with few offers from origin and unless bids are put out there seems to be no prospect of buying supplies. Curação aloes have been marked up 10s. per cwt. Sumatra BENZOIN is scarce on the spot with any available small lots commanding high prices; there are no offers from the source. Tinnevelly SENNA is firm and unchanged and supplies on the spot are now in narrower compass. Senega is quiet and steady. Ergot is still difficult; business is reported done in Portuguese on the spot at 62s. 6d. per lb. Drugg.sts' Opium is in short supply. The Ministry of Health has called a meeting of interested members of the trade to deal with the question of further imports of opium for galenical manufacture.

The ESSENTIAL OILS market is firm, Chinese star Anise is in good request and the market is stronger. Chinese PEPPER- MINT however continues quiet with f ther falling off of demand from the C tinent. Bergamot is in short supply; small lots that have been released by Consortium have been offered at the equalent of 90s. per kilo, c.i.f. LAVENDER i firmer market and it is understood t stocks at origin are comparatively k LEMONGRASS is dearer on the spot and shipment. English-expressed Almond has been reduced slightly.

Exchange Rates on London

Rates at the opening on Wedness morning were:—

morning were:—				
Centre	Quoted	Rate		
*Alexandria	Piastres to £	971-973		
Amsterdam	. Florins to £	10.63-10.6		
*Australia	. £A to £	125-125		
*Bombay	. Shillings to	0 0.		
	rupee	1/515-1/6		
Brussels	Francs to £	139.90-140		
	.Kroner to £	19.32-19.3		
Dutch West Indie	Florins to £	5.27 - 5.20		
*Hong Kong	. Shillings to \$	$1/2\frac{15}{16}-1/3$		
*Israel	£1 to £	993-1004		
*Karachi	Shillings to			
	rupee	$2/1\frac{27}{32}-2/1$		
	Escudos to £	80.35-80.6		
	Peso to £	5.60-5.65		
	. Dollars to £	2.932-2.94		
	Dollars to £	2.798-2.80		
	£NZ to £	1003-101		
	Kronor to £	19.98-20.0		
	Francs to £	979-981		
	Cruzeiros to £	Braz. a/c		
	Shillings to \$ Kronor to £	$2/4\frac{3}{32}-2/4$		
		14.47-14.5		
	Rials to £	89.40-91.0		
Zurich	Francs to £	12.23-12.2		

*Free market rates; remainder Bank of Engla

U.S. Drug and Chemical Repo New York, December

A series of price advances in industr chemicals has been responsible for fir ness in a number of Pharmaceutic and Fine Chemicals, including Aspir which is now 3 cents per lb. dearer 55 cents per lb., and Methyl salicylat 5 cents higher at 50 cents per lb. R sorcin, U.S.P., has increased by 25 cener lb. Higher prices have been annound for Industrial alcohol. A revival in mestic production of Mercury has result from further sharp advances in shippi prices from Spain, bringing the prices \$100 per flask, f.o.b. Spanish por Chinese Menthol has been a firmer meket with spot quotations from \$11.70 \$12 per lb., while nearby parcels ha moved up from \$11.20 to \$11.40 per lduty paid. Although demand for menth is not great an increase in the amount replacement buying is expected when t

AUGS has increased slightly with a somenat better inquiry for export. Shipping ices for Ergot have reached an "allne-high" level but there is very little terial on the spot. Cape Aloes and matra Benzoin are firmly held at rerity-advanced levels, but holders of inese Cantharibes are inclined to shade ices, as a result of a narrower demand. NEGA ROOT is firm and it is expected at spot prices will rise in the event of increase in buying. Indian drugs gen-

increase in buying. Indian drugs genally are rather short and there is some erest being paid to Far Eastern produce. Waxes, Carnauba continues to display firm tone despite the fact that the new azilian crop, said to be almost ready, expected to be 10 per cent, higher than st year. The Essential Oils market splays considerable strength and many is are very difficult to obtain. Dalmam Sace is in good inquiry but there are w offers. Cedarwood is firmer at 60 nts per lb., while Eucalyptus has adneed to 90 cents per lb. Many Aromatic Emicals are dearer, reflecting the incased basic material costs.

Pharmaceutical Chemicals

−19,3 −5,29

-5.65 -2.94 -2.80

-101

ADRENALINE.—B.P. is quoted from 3s. to 6d. per gm. for natural and 2s. to .6d. for synthetic; racemic, 2s. per gm. ASPIRIN. — Makers' rates are 3s. 9½d. r lb. in 10-cwt. lots and 3s. 11d. in 1-t. lots. Schedule rates per lb. for quantis of 28 lb. and under 1-cwt. are 4s. 10d. -lb. containers); 4s. 9d. (2-lb.); 4s. 8½d. -lb.); 4s. 7½d. (7-lb.); 4s. 7d. (14-lb.); .6d. (28-lb.); net one month. Rates per 00 for bulk supplies of TABLETS are: der 5,000, 4s. 1d.; 5,000 and over. .11d.; 10,000, 3s. 10d.; 25.000. 3s. 8d.; .000, 3s. 5d.; 1,000,000, 3s. 4d.; .00,000, 3s. 3d. In good request.

Boric Acid. — Steady. Rates for B.P. ality in 1-ton lots and upwards are as llows: Granular, £75 10s.; crystal, 1; powder, £78 10s.; extra-fine powder, 0 10s.; small flake, £94 per ton; in ewt. bags, carriage paid, Great Britain. rcharges for smaller quantities are as llows:—Less than 1 ton but not less an 5 cwt., 1s. per cwt.; 3 cwt., 2s.; 1 vt., 3s. to 5s.; less than 1 cwt., 5s. to 10s. r cwt. more than above rates.

Bromides.—Makers' rates per lb. in the lited Kingdom and Eire are as folws:—Potassium, B.P. (crystal) and divided by the literature of the

Chloroform.—1-cwt. lots in winchesters are 3s. 2½d. per lb.; 56-lb., 3s. 3d. In drums, prices are 3s. 1d. and 3s. 1½d.

CITRATES. — Current rates per lb. are as follows:—Potassium, 5-cwt. lots, 3s. 1½d.; 1-cwt., 3s. 2½d.; quantities from 28-lb. to 1-cwt. are (containers in brackets): 4s. 0½d. (1-lb.): 3s. 11d. (4-lb.): 3s. 10d. (7-lb.); 3s. 9d. (14-lb.): 3s. 8½d. (28-lb.); powder, 1d. per lb. extra. Iron and Ammonium citrate, B.P., scale, 8d. per lb. and granular 7d. per lb. more than above. Sodium, B.P., 3d. per lb. less; powder, 1d. per lb. extra.

Cocaine. — Current rates per oz. are: Alkaloid, Citrate and Salicylate, bottles, \(\frac{1}{4}\)-oz., 89s.; \(\frac{1}{2}\)-oz., 85s.; 1-oz., 82s. 6d.; 2-oz., 80s. 6d.; 4-oz., 79s. 3d.; 8-oz., 78s. 3d.; 16-oz., 75s. 3d.; tins, 25-oz., 73s. 9d. Hydrochloride, Nitrate and Sulphate, bottles, \(\frac{1}{2}\)-oz., 79s.; \(\frac{1}{2}\)-oz., 75s.; 1-oz., 72s. 6d.; 2-oz., 70s. 6d.; 4-oz., 69s. 3d.; 8-oz., 68s. 3d.; 16-oz., 65s. 3d.; tins, 25-oz., 64s.

Cream of tartar. — Home-trade rates per cwt. are now as follows:—10-cwt. lots, 177s.; 5-9 cwt., 178s.; 2-4 cwt., 179s.; 1-cwt., 180s., delivered.

CREOSOTE.—B.P. quality, ex beechwood, is quoted at from 6s. 9d. to 7s. 6d. per lb.

EPHEDRINE.—Rates for 100-oz. lots are: Alkaloid, 12s.; Hydrochloride, 7s.; and Sulphate, 8s. 3d. per oz.

GUAIACOLS.—Liquid and crystal are from 15s. 6d, to 17s. 6d.; and carbonate from 16s. 6d. to 18s. 6d. per lb.

Hydrocyanic acid. — B.P.C. (Scheele's) is quoted at from 1s. $5\frac{1}{2}$ d. per lb. and B.P. at 1s. $1\frac{1}{2}$ d. per lb.

Hyoscine hydrobromide. — Quotations are from 100s, to 115s, per oz., according to quantity.

ICHTHAMMOL.—In drums, quotations are from 3s. 6d. to 3s. 9d. per lb.; in 28-lb. tins, 4s. 1½d.; in 7-lb., from 4s. 3d.; and in 1-lb. tins, from 4s. 6d. to 5s. per lb.

MERCURY DERIVATIVES, — Dearer. AMMONIATED, B.P., powder is now 13s. (1-cwt. lots) to 13s. 8d. (7-lb.) per lb.; lump is twopence per lb. less. PERCHLORIDE, B.P., powder is from 11s. 1d. to 11s. 9d.; lump, sixpence per lb. more. Chloride, B.P. (Calomel) is from 13s. 2d. to 13s. 10d. per lb. OXIDES, B.P.C., levigated, or yellow, B.P., are from 13s. 9d. to 14s. 5d.

METOL.—In short supply, Prices per lb. are: 10 cwt., 19s.; 5 cwt., 19s. 6d.; 1 cwt., 20s.; 28 lb., 21s.; 14 lb., 23s.; 7 lb., 24s. Carriage paid in the United Kingdom.

PHENYTOIN SODIUM. — Quotations for small quantities are at about 32s. 6d. per lb.; the base is available at the same price.

PIPERAZINE. — French material is offered at from 110s. to 120s. per kilo.

THYMOL.—Dearer. 14-lb. lots are now 28s, 6d. and 7-lb., 28s, 9d. per lb.

Crude Drugs

ACONITE. - Quiet and steady. Spanish napellus is quoted at 3s. per lb., spot, duty paid; Indian, for shipment, 2s. 3d. per lb., c.i.f.

Agar.—Kobé No. 1 on the spot is steady at 9s. 6d. to 9s. 9d. per lb., duty paid.

Aloes.—Firm, Cape on the spot is now about 202s, 6d. per lb.; for shipment, 195s., c.i.f., nominal. Curação is dearer with business done at 235s, per cwt.

Balsams.—Canada is 23s. per lb., on the spot; for shipment. 21s. per lb., c.i.f., nominal. *Copaiba*, B.P., soluble, on spot is very scarce and is about 9s. 6d. per lb., in bond. San Salvador *Peru* is nominal at 9s. 9d., in bond, Tolu for January-February shipment is 24s. 6d., c.i.f. On the spot, 22s. per lb. is asked for B.P. quality.

Benzoin.—Very little Sumatra block on spot for which high prices are asked; origin is not offering. Siam free almonds, No. 1, for shipment, 35s. per lb., c.i.f. supplies on the spot are quoted at from 31s. 6d. to 32s. 6d. per lb.

CAMPHOR.—Continues quiet. Chinese refined powder (B.P.) is from 4s. 4d. to 4s. 6d. per lb., duty paid; November-December shipment, 4s. 2d., c.i.f. B.B. grade is 3s. 10d. to 4s. per lb., in bond: November-December shipment, 3s. 10d., c.i.f. \frac{1}{2}-oz. tablets, quoted \frac{1}{2}s. \frac{1}{2}d. \frac{1}{2}d. \frac{1}{2}c. \frac{1}{2}s. \frac{1}{2}d. \frac{1}{2}d. \frac{1}{2}c. \frac{1}{2}s. \frac{1}{2}d. \frac{1}{2}d. \frac{1}{2}c. \frac{1}{2}d. \frac{1}{2 tablets, quoted 5s. 6d.. duty paid: for shipment. 4s. 9d., c.i.f. 2½-lb. slabs, 4s. 9d., duty paid; for shipment, 4s. 6d., c.i.f.

Cardamoms.—Aleppy seeds on the spot are quoted at 30s. per lb.: for shipment, 30s., c.i.f.; light-coloured Aleppy seeds are offered at 27s. per lb., spot. Aleppy greens are 24s. per lb. on the spot: for shipment, 19s. c.i.f. Half-bleached Mangalore B's are 22s. 6d. per lb., spot.

Cascara sagrada.—1950 peel is quoted at from 345s. to 350s, per cwt., duty paid (in bond, 315s, per cwt.): for shipment, 317s. 6d., c.i.f. 1949 is 360s., duty paid, spot.

CASCARILLA. - Quills on the spot are quoted at 1s. 3d. to 1s. 4d. per lb.; siftings, 1s. to 1s. 2d.

ELEMI.—Quiet. Manila No. 1 on the spot is from 2s, 3d, to 2s, 6d, per lb.

Ergot. - Spot quotations are in the region of 62s. 6d. per lb.

Frangula Bark. — Sellers are quoting 85s. per cwt., duty paid, spot.

GAMBOGE.—Siam pipe is at £40 to £45 per cwt., duty paid: powder is quoted at 11s. 6d. per lb., spot London.

GENTIAN.—Steady. Spot quotations are from 97s, 6d. to 100s. per cwt.

GINGER.—African is steady at 320s, per cwt., spot. Jamaican No. 1, 525s. per cwt., spot.

GUAIACUM, - Supplies on the spot are about 3s. per lb.

GUM ACACIA.—Kordofan cleaned soi 115s, per cwt., spot London or Liverpo November-December, 104s. 6d., c.i January-February, 100s., c.i.f. Talha 65s. per cwt., spot; for shipment, 6

HENBANE.—Egyptian (H. muticus), f.: is offering from origin at from 85s. to 8 per cwt., c.i.f. Niger (0.4 per cent. al

loids), 4s. 3d. per lb., spot.

HONEY.—Prices of dark manufactur. grades are as follows:—1-cwt., 83 5-cwt., 81s.; 10-cwt., 79s.; 1-ton, 77s.; cwt., carriage paid in U.K., packed in 60 drums. Refined honey: In 56-lb, ti 100s.; 28-lb., 115s.; cases of four 7-130s. per cwt., carriage paid. In godernand. demand.

Hydrastis.—Stocks on the spot are h for a price of 40s. per lb.

IPECACUANHA.—In good inquiry; suppl on the spot are difficult to find. Colombi 42s. 6d. per lb., spot, nominal; for Deec ber-January shipment, 39s. 6d., c.i.f. N araguan, 44s. 6d. to 45s., spot, noming 40s., c.i.f., for December-January shipme Minas, 45s. per lb., on the spot.

IRISH MOSS .- No. 1 carragheen on spot is quoted at 100s. per cwt.

JALAP.—Brazilian root (13.9 per ce resin) on the spot is offering at 2s. 1 lb.; Mexican (10 per cent.) now landi 3s. 6d. per lb.; to arrive (15 per cen 4s. per lb.

KARAYA.—No. 1 on the spot is quot at 400s., and No. 2, 325s. per cwt.

LANOLIN.—B.P. anhydrous is £120 p ton; hydrous, £90. Superfine anhydro is quoted at £126 per ton. In short supp

LIQUORICE.—Anatolian natural root the spot in London is quoted at from 5 to 52s. 6d. per cwt., and Syrian at 42s. in Liverpool; Russian natural root is fered at 55s. per cwt., spot Lond British block, 150s. to 195s. per cwt., to grade. Turkish block juice is quot at from 150s. to 220s., duty paid, according to holder. Turkish stick is from 17 per cwt., duty paid. Italian stick is free 240s. to 475s. per cwt., duty paid.

MENTHOL.—Chinese on the spot is quated at from 103s, to 104s, per lb., dr paid (in bond, 97s, 6d.). Affoat, 88s. c.i.f. For November December shipme from Shanghai, 82s. 6d., c.i.f., and from Hong Kong, 86s, 6d., c.i.f.

ORANGE PEEL.—Spanish bitter quarte are offered at 1s. 9d. and sweet ribbon 1s. per lb., both duty paid, ex wharf Le don. West Indian bitter quarters in Lo don are 1s. 41d. per lb.

Rhubarb.—Sound Chinese rough rou is available at from 6s. 6d, to 8s. 6d. I lb., duty paid, as to quality.

Sarsaparilla.—Jamaican native red spot is 2s. 6d. per lb.; for shipment, 2s. 5 c.i.f. In good inquiry.

SEEDS.—Turkish ANISE is unchanged at s. 6d. per cwt., in bond, and 157s. 6d. cwt., duty paid, spot London; Cyprus 175s. per cwt., spot Liverpool. CARAY. — Dutch remains firm at 195s. to N. — Duten remains firm at 195s, to s. 6d. per cwt., duty paid, spot London. Leffy.—Indian is quiet with 1s. 10½d. ted on the spot in London. No French offering on spot . Coriander.—Market nains firm both spot and forward. Moro on spot is 160s. per cwt., in bond, 1172s, 6d. to 175s. per cwt., duty paid London; for December shipment, 148s. cwt., c.i.f. London, quoted. Cumin.—rket unchanged. Spot. Cyprus is 205s. rket unchanged. Spot, Cyprus is 205s. cwt., and Indian, 200s, per cwt. For ment, Cyprus is quoted at 190s. per t., Indian at 180s. per cwt., and Morocco 250s. per cwt., all c.i.f. London. DILL. lian continues quiet at 80s. per cwt., t London. FENNEL.—Indian is in poor nand, 100s. to 105s. per cwt., quoted t London. FENUGREEK.—Morocco, spot ndon, is 50s. per cwt., and in Liverpool, per cwt., both duty paid. For shipnt, 40s. per cwt., c.i.f. London, quoted.

Senega.—Spot quotations are at 18s. 6d. 18s. 9d. per lb.: for shipment, 18s., c.i.f.

Senna. — Prices firmly maintained, mevelly leaves, f.a.q., No. 1, 1s. 4d.; 2, 1s. 2½d.; No. 3, 1s. 1½d., spot, nonal. Tinnevelly hat.d-picked pods are m 2s. to 2s. 3d., spot. Alexandrian pods, 6d. per lb., nominal, spot; Alexandrian ken leaves are nominally at from 11d. ken leaves are nominally at from $9\frac{1}{2}$ d. $10\frac{1}{2}$ d. per lb. and siftings at from $8\frac{1}{2}$ d. $9\frac{1}{2}$ d.

SHELLAC.—F.O.T.N., pure, is 337s. 6d.; D. Standard No. 1, 347s. 6d.; and fine tage, from 360s. to 420s. per cwt., spot ndon.

STYRAX.—Sellers are quoting 7s. 6d. per duty paid (6s. 9d. in bond).

FURMERIC.—Madras finger on the spot 105s. per cwt.; for shipment, 100s. to 2s. 6d., c.i.f.

VALERIAN.—Belgian on the spot is quoat 185s. to 190s. per cwt., spot. Indian available at 150s. per cwt., spot.

Waxes.—Dar-es-Salaam Bees' is 550s. cwt., nominal; December-January pment, 535s., c.i.f. Benguela is 535s. ewt., duty paid, spot (470s. in bond): cember-January shipment, 470s., c.i.f. danese is 525s. per cwt., duty paid; for pment, 470s., c.i.f., nominal. CANDELILLA. ot is 535s. per cwt.; January delivery, 5s. Carnauba.—Fatty grey, 950s. per t, spot, nominal; afloat, 900s., c.i.f.; cember-January shipment, 880s., c.i.f.; nuary-February, 870s., c.i.f. Montan.—ibeck on the spot, 127s. 6d. per cwt.; shipment, 115s., c.i.f. Ouricuri.—0.5 r cent. impurities, November-December pment, 850s., c.i.f., nominal; 3.9 per nt., 825s., spot; 2.9 per cent., 830s., spot.

Essential and Expressed Oils

Almond,—Expressed sweet oil (B.P.) on the spot is slightly cheaper from 4s. 9d. to 5s. 6d. per lb.; Bitter essential oil, s.a.p., on the spot, is from 24s. to 55s. per lb., as to grade.

Anise. — Firmer. Spot nominally at 10s. 6d.; buyers, 10s. per lb.; December-January shipment, 11s. 6d., c.i.f.

Bois de Rose.—Brazilian on the spot is from 32s. 9d. per lb.; forward, 32s. 6d., c.i.f.

Cassia.—Firm. Spot is nominal at 26s. per lb.; November-December shipment, 23s. per lb., c.i.f.

CINNAMON.—B.P. oil on the spot is quoted at from 52s. 6d. to 100s. per lb. English bark oil is offered at 22s. 6d. per oz. Seychelles leaf oil is from Ss. 6d, to 9s. 6d. per lb., spot; for shipment, 9s., c.i.f. Ceylon leaf (B.P.), 10s. per lb., spot.

CITRONELLA. — Firm. Ceylon is from 11s, 3d. to 11s, 6d. per lb. on the spot; November-December, 11s, 6d., c.i.f. Java for shipment, 17s. 6d., c.i.f.

CLOVE. — English-distilled bud oil on the spot is offering at from 17s. 6d. to 18s. 6d. per lb., as to quantity; Zanzibar re-worked stem oil on the spot is 15s. per lb. Madagascar leaf, for shipment, 13s. 3d.

Dill.—English-distilled oil is quoted at about 65s. per lb. for B.P. quality. Imported oils are offered at from 45s. to 55s. 3d. per lb., as to quality.

EUCALYPTUS. — Australian 70-75 per cent. (B.P.), is nominally 6s. 9d. to 7s. per lb., spot; forward, 6s. 2d., c.i.f. 80-85 per cent., 7s. 3d. to 7s. 6d. per lb., spot.

JUNIPER BERRY.—Imported oils are quoted at from 18s. to 20s. per lb., duty paid; English-distilled, first quality, is offered at from 75s. to 80s. per lb.; B.P.C. oil is 22s.

LAVENDER. — French (38-40 per cent. linalol) is offering for shipment from origin at 50s. per lb., c.i.f.; second hand sellers are quoting 45s., c.i.f. Spanish spike is from 16s. 6d. to 17s. per lb. on the spot; forward, 16s. 9d., f.o.b.

Lemon. — Spot quotations for Sicilian hand-pressed (4 per cent. citral) are in the region of 37s. per lb.

Lemongrass.—Firmer. Spot supplies are quoted at from 22s. to 24s. per lb.; December-January, 24s., c.i.f.

· PALMAROSA.—Supplies for shipment from origin are quoted at 48s. 6d., c.i.f. U.K.

PEPPERMINT.—Chinese in drums, 32s. to 33s. per lb., spot; afloat, 29s. 6d.; for shipment from Shanghai, 28s. 6d., c.i.f. Brazilian is 35s. per lb., spot. *Piperita* is firmly held at from 60s. to 62s. per lb.,

THYME. — Red oil (40-42 per cent. phenols), 10s. 6d. to 12s. 6d. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

TRADE MARKS

(From the "Trade Marks Journal," November 22)

For non-medicated toilet preparations (3). — "Lucky Lips"; by Lucky Strike Perfumeries, Ltd., London, W.1; 687,445. "Mettor ?"; by Coty (England), Ltd., London, W.1; 690,618.

For non-medicated rose hair oil and lotions (3).
—"Rose-Louiene"; by Louis Rose, London, E.1;
688,637.

For dental cream (3).—"SKUSE'S" (in distinctive lettering); by Skuse & Co., Ltd., London, N.W.10; 690,059.

For hair dyes containing oil (3).—" VENUS OILTINT"; by Maurice Paillard, London, S.W.1; B690,187.

For bandaging materials, medical and surgical plasters and disinfectants (5).—"Syntrex" (in distinctive lettering); by Gebruder de Trey, Aktiengesellschaft, Zurich; 678,094.

For pharmaceutical and sanitary preparations and disinfectants (5).—"Pennine"; by Thornton & Ross, Ltd., Huddersfield; B678,558.

For all goods except dietetic, infants' and invalids' foods and medicated confectionery (5).—Device of two crowns; by Karnbolaget Aktiebolag, Stockholm; 680,559.

For insecticides, acaricides and fungicides (5).— "SANDOTOX"; by Sandoz A. G. Basle; 680,983.

For pharmaceutical preparations for the treatment of warts (5).—" WARTAX"; by Edward Balman Cleeve Martyn, Tiverton; 682,191.

For medicinal preparations for use as a bronchodilator (5).—"ORTHOXINE"; by the Upjohn Co., Michigan; 685,135.

For pharmaceutical preparations (5).—"Kadolan"; by Drake Laboratories (North Devon), Ltd., Barnstaple; 686,878. "Ludozan"; by Schering Corporation, New Jersey; 688,149. "Kuteron"; by Parke, Davis & Co., Detroit; 689,682. "Bismoleol"; by Sulfarsenol Laboratories, Ltd., Alperton; 689,900. "Visangin"; by Clinical Products, Ltd., Richmond; 690,006. "Spasan"; by Bayer Products, Ltd., London, W.C.2; 690,227. "Atropavin"; by Harry Beck, London, N.W.2; 690,996.

For all goods (5).—" LITRISON"; by Roche Products, Ltd., Welwyn Garden City; 690,341. "Wydase"; by Wyeth Incorporated, Philadelphia; 690,968. "SAGATAL"; by May & Baker, Ltd., Dagenham; 689,853.

For medicinal preparations for treatment of coughs, colds and similar ailments (5).—"Bronguard"; by T. R. Milburn, Ltd., Newcastle-on-Tyne; 690,025.

For antibiotics being pharmaceutical preparations (5).—"VIOMYCIN"; by Chas. Pfizer & Co., Inc., New York; 689,679.

For anæsthetics (5).—" Monocaine"; by Novocol Chemical Manufacturing Co. of Canada, Ltd., Toronto; 689,590.

For pharmaceutical and sanitary substances, bandaging materials and disinfectants (5).—" BILAMIDE-CILAG"; by Cilag, Ltd., Schaffhausen; 686,235.

NEW BRITISH PATENTS

Process for Organic Amino-diol Parke, Davis & Co. No. 21748/1 (21/12/48). The invention comprise method in which a thionyl halide (cride) is reacted with a (dl)-reg. amino derivative with hydrogen, halogen, lower alkyl or other radicles, at a perature between 60° and 110° C. intermediate product is hydrolysed to tain an addition (acid) salt of (dl)-\(\psi\)-am diol; or the starting material may be mouth the latter initially.

Manufacture of Thio-semicarbazo —C. Lutter and E. Cauer, Germany. 21236/1949. (17/9/48). A method is claimed of converting thiosemicarbazo into alkanolamine salts which are claimed to be more soluble and effective as tu culostatic agents than the original compounds. Unsubstituted thiosemicarbazo are reacted with benzaldehyde contains the carboxyl group directly or indirectly attached to the benzene nucleus by an inphatic carbon chain. Reactants including alkanolamines.

New Compounds of Ergot. — San z Ltd., No. 23737/1949. (17/9/48), invention deals with the preparation peptide-like type of ergot alkaloid (rel to ergotamine, ergocristine, etc.). An a of lysergic or iso-lysergic acid is rea with an amino acid carboxyl group, when can be either free or blocked, with formation of hydrazoic acid. That may eneutralised by the addition of a base a similar way synthetic alkaloids rel to dihydro-alkaloids, obtained by cata thydrogenation of natural alkaloids of extremely proving yields are indicated.

Production of Liver Extracts.—F. CB Fonsdeviela, Madrid. No. 28797/11) Extracts are obtained fr (9/12/48). fresh livers from which are elimin allergic substances responsible for prin and secondary reactions that have I noticed in liver extracts administered in nally. The invention embodies an artif digestion method with certain modifitions, and comprises the preparation mixture of liver and pepsin in wa acidifying, heating, neutralising alkali, separating solid from liquid, ren ing protein from the liquid and dissolv it in alcohol, filtering the alcoholic s tion, settling and refiltering to obtain precipitate of anti-anæmic principle.



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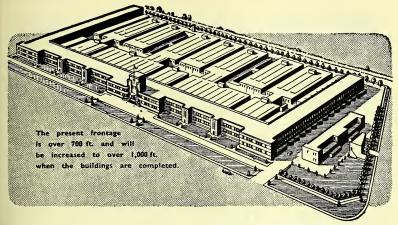
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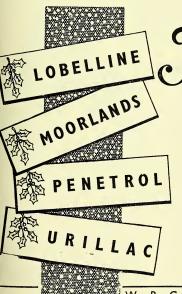
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AMAMI LIQUID SOAPLESS SHAMPOO	1/-	7/- DOZ.
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AMAMI WAVE SET (SMALL)	1/4	6/8 DOZ.
AMAMI BRILLIANTINES	1/4	6/8 DOZ.
AMAMI POLISH REMOVER	1/4	6/8 DOZ.
AMAMI NAIL POLISH	1/4	6/8 DOZ.

THESE NEW PRICES ARE EFFECTIVE FROM DECEMBER 11th, 1950

The prices of all other Amami lines remain unchanged, and your present profit margins are maintained.

PRICHARD & CONSTANCE (Mfg.) LTD., NORTH CIRCULAR RD., LONDON, N.W.1

Why you should sell

WANDER

Malt & Cod Liver Oil



ECAUSE of its unsurpassed quality and its ready acceptance by the public, Wander Brand Malt Extract and Cod Liver Oil is a product which the pharmacist can recommend with full confidence, and in his own best interests.

Wander Brand Malt Extract and Cod Liver Oil is outstanding in its field and its pharmaceutical excellence is recognized by physicians. The Cod Liver Oil used is the best obtainable and the Malt Extract is specially prepared by A. Wander Ltd., who are leading authorities on its manufacture.

With its attractive appearance and toffee-like flavour, Wander Brand Malt Extract and Cod Liver Oil is thoroughly enjoyed by children and adults.

On the P.A.T.A.

Trade Prices: 1 lb. jars 18/9; 2 lb. jars 35/-. (Exempt from Purchase Tax.)

Trade Prices for 1 gross 1 lb. or equivalent:

1 lb. jars 18/6; 2 lb. jars 34/6.

(Exempt from Purchase Tax.)

Retail Prices: 1 lb. jars 2/1; 2 lb. jars 3/11½.

NOTE: Also supplied, if required, with attractive labels bearing your own name, at competitive prices.

Attractive showcards available

For further details write to:

A. WANDER LTD., 42 Upper Grosvenor St., Grosvenor Sq., London, W.1



in the nineteen fifties!

New advertising

* New displays and the new Aerosol

A YEAR TO REMEMBER

Flit doesn't believe in resting on its laurels. Good though 1950 was for Flit sales, we confidently expect 1951 to be even better.

To help to make it so, there will be bold compelling Flit advertising appearing all over the country in the summer months, there will be striking display material for your shop, and there will be the Flit Aerosol.

Start planning your FLIT requirements now.

You can't get on to a good thing too soon!



HERE'S BIG BONUS **NEWS COMING!**

EMCO LTD., 128/132 ALBERT ST., CAMDEN TOWN, N.W.1. • FLIT IS AN (Esso) PRODUC



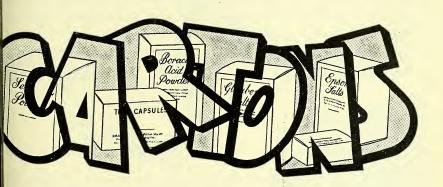


PROPRIETARIES SUNDRIES DRUGS TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

Office & Works Mansfield Road Derby Telephone 4266 (Alines) Branch Warehouse Grosvenor St. Ashtonium Lyne Telephone 2816 (2 lines)





Better



Value

BARBITURATES IN TABLET FORM

- Barbitone
- Barbitone Sodium
- Butobarbitone
- Cyclobarbitone

- Hexobarbitone
- Phemitone
- Phenobarbitone
- Phenobarbitone Sodium

Quality and reliability is maintained by the supervision of pharmacists at all stages.

Quotations on request.

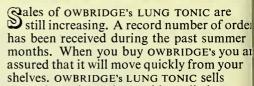
Supplies available from stock.

Suppliers of a complete range of Pills, Tablets, Capsules, Lozenges and Suppositories.

MATTHEWS & WILSON LTD.

6 - 8 COLE ST , LONDON , S.E.I

Sales of Owbridge's



throughout the world to all classes of people.

The family remedy for 76 year

BACK AGAIN!

Popular and well-known Brand's Essence of Chicken

AFTER AN ABSENCE of many years — due to the difficulty of maintaining quality in the face of serious shortages — it has been found possible to produce again Brand's famous Essence of Chicken.

This excellent product — so highly thought of by the medical profession; so invaluable in cases of convalescence, debility, indigestion and fatigue — is available now. Put in your order at once to make sure of your supplies.

BRAND'S ESSENCE OF CHICKEN

Retail price 4/3d. a jar. Trade, 39/6 per dozen jars.

BRAND'S ESSENCE OF BEEF

Owing to greatly increased costs of production, we have found it necessary, in order to maintain the well-known quality of this product, to raise its price slightly.

New Prices: Retail, 3/3d. a jar. Trade, 30/3d. per dozen jars.

RAND & CO. LTD., VAUXHALL, LONDON, S.W.8



A Reminder from



MACLEANS

Macleans regret that owing to continued rises in world prices of basic materials it has been necessary to increase the prices of the following products as from December 1st:

Product	Retail Selling Price (inc. P.T.)	Standard Wholesale Terms Per doz.	Inter- mediate Terms Per doz.	Best Terms Per doz.	Purchase Tax Per doz.
TCOTH PASTE					9
Standard Size	1s. 6d.	103. 84.	103. 21.	9s. 5d.	3s. 6 ² / ₃
Extra Large Size	2s. 3d.	16s. 1d.	15s. 6d.	14s. 5d.	5s. 4\frac{1}{3}
TOOTKBRUSH					1 1
Nylon (Three Row Medium Texture)	1s. 10d.	123. 101.	123. 5d.	11s. 7d.	4s. 3\frac{1}{3}
Bristle (Three Row Medium Texture)	23. 61.	17s. 61.	16:. 11d.	153. 9d.	5s. 10sl.
Children's	1s. 3d.	83. 91.	83. 61.	7s. 101.	23. 11d.
LEMSKIN	1s. 6d.	7s. 7d.	7s. 3J.	63. 11d.	7s. 7d.
HYDROGEN PEROXIDE					
4 oz. (10 or 20 vols)	1s. Od.	63. 91.	63. 61.	63. 34.	2s. 3d.
8 oz. (20 vols.)	1s. 9d.	113. 91.	11s. 3d.	103. 91.	33. 114.
FYNNON SALT	2s. 3d.	16s. 91.	163. Od.	153. 34.	53. 7d











New Product

TRAFURIL CREAM

Well tolerated and non-irritant RUBEFACIENT

for use in

CHILBLAINS · MUSCULAR RHEUMATISM

LUMBAGO · FIBROSITIS

Tubes of 20 g. - 3/-. Jars of 1lb. - 39/-Retail Discount 331%

Purchase Tax extra

Please apply for literature and sample

CIBA

'Trafuril' is a registered trade mark denoting tetrahydrofurfuryl nicotinic acid ester.)

Reg. user

CIBA LABORATORIES LIMITED

HORSHAM · SUSSEX

Telephone: Horsham 1234 Telegrams: Cibalabs, Horsham

THE ORIGINAL



Malt and Cod Liver Oil
with the flavour
that CANNOT be copied

Sole Manufacturers JEFFREYS, MILLER & CO. LTD Leyland Mills, Wigan

Telephone: Wigan 2327 Telegrams: Maltum, Wigan London Depot 19/25 Brookside Road, Upper Holloway, N.19 Telephone: Archway 3627



REMEMBER -it's DECEMBER!

MORE AND MORE DISPENSING

means

MORE AND MORE
DISPENSING
SUNDRIES!





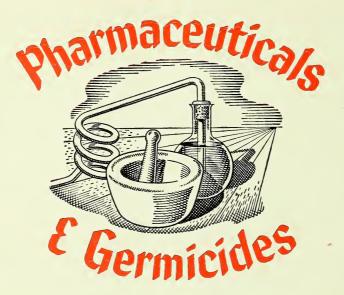
Each day makes new demands on your dispensary and new demands, too, on your stocks of bottles, boxes, corks, drop bottles, dispensing measures etc. Keep up your stocks by sending your orders now.

MACDONALD & SON LTD

OPE MILLS, POLLARD STREET, MANCHESTER 4

Ardwick 1561/2

MONSANTO CHEMICALS FOR EVERY INDUSTR



ASPIRIN B.P.

Crystals and Powder A granular form of Aspirin specially evolved for direct tabletting.

PHENACETIN B.P.
SALICYLIC ACID B.P.
SALICYLIC ACID (technical)
SODIUM SALICYLATE B.P.

Crystals and Powder.

White Flakes. White Powder.

METHYL SALICYLATE B.P. BENZOIC ACID B.P. SODIUM BENZOATE B.P. PHENOLPHTHALEIN B.P. VANILLIN

PHENOL B.P.

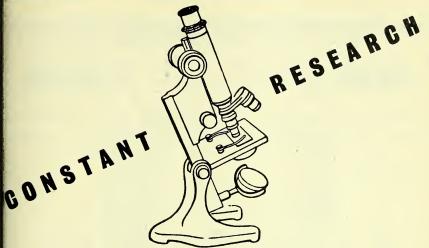
Ice Crystals. Detached Crystals. Liquefactum B.P.

CRESOL B.P.
CRESANTOL 3 (Benzyl Cresol)
P.C.M.X. (Chloroxylenol B.P.)
CRESANTOL 15 (Chlorinated
Xylenols)

P.C.M.C. (Chlorocresol B.P.)

An auxiliary germicide.





Research, Standardisation, Activity, Purity—these important factors have built up the high reputation of "Oxoid" Medical Preparations.



or telegram are dealt with immediately and goods reach you in the shortest possible time.

Among the many "Oxold" Medical Preparations are:
Liver Extract, Hormones, Vitamins, etc.

OXO LIMITED

Medical Dept.

THAMES HOUSE, QUEEN STREET PLACE, LONDON, E.C.4

Telephone: CENtral 9781

HEWLETT'S ANTISEPTIC CREAM

THE CREAM WITH A USE IN EVERY HOUSEHOLD FOR PREVENTING AN TREATING NAPKIN RASH, OR FOR SORE HANDS, CUTS, ABRASIO OR AS A SOOTHING APPLICATION FOR CHILBLAINS, ETC.

COST 18/- DOZ. + P.TAX. RETAIL 2/3 + P.TAX.

331% PRO

FO

BONUS TERMS ON ORDERS OF 3 DOZEN.

These prices apply in the United Kingdom only

C. J. HEWLETT & SON LTD.

MANUFACTURING

CHEMISTS

35-43, CHARLOTTE ROAD, LONDON, E.C.2 216 ORR STREET, GLASGOW, S.E.

The Fancy Goods Association requests the pleasure of the company of

Mr. EVERY BUYER

on the occasion of the

Second Annual Fancy Goods Fair

The Queen Hotel, Harrogate

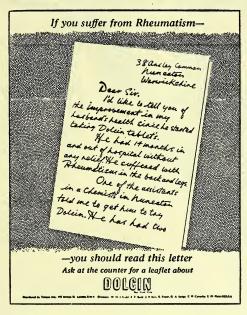
January 8th-12th (inc.) 1951, where he will see all that is best in

Fancy Goods, Brushware, Leather Goods, etc.

R.S.V.P. to:— P. BURNS FARQUHAR, Esq., Fair Secretary 27 FREDERICK STREET, BIRMINGHAM, 1

for information re travel facilities, accommodation, etc.-

AN UNUSUAL DISPLAY TO HELP YOUR DOLGIN SALES



Here is a new idea in showcard display. It is neat, dignified and takes up little space (dimensions 10" x 8").

A handwritten letter — copy of an actual testimonial sent in gratitude by a user of Dolcin, is attached to the card. We have obtained full permission for the letter to be used. Such testimonials come from all parts of the country. One of them may come from your area, and will therefore carry additional weight with your customers.

This card will be sent you on request, and where possible the letter attached will be from your town or district.

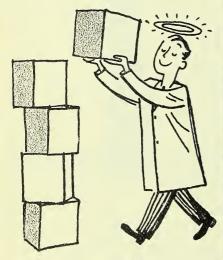
PRICES:
DOLCIN 100's 72/- per dozen plus 24/- P.T. (Retail 10/- per bot.)
DOLCIN 500's 324/- per dozen plus 108/- P.T. (Retail 45/- per bot.)
DOLCIN 600's (Dispensing) 31/6 per unit Plus 10/6 P.T.

Please order Dolcin from your wholesaler.

FOR AILMENTS IN THE RHEUMATIC GROUP

Sole Distributors: Tampax Ltd., 110 Jermyn Street, London, S.W.I.

Please keep our cases . . .



we'll collect them!

It will help us greatly to maintain deliveries of Andrews Liver Salt if you will kindly put the empty delivery cases safely aside until our traveller can collect them. We allow 6d. each for cartons in good condition. **THANKS!**

ANDREWS

SCOTT & TURNER LTD.
ANDREWS HOUSE, NEWCASTLE-UPON-TYNE,

KEEN ROBINSON

& COMPANY LIMITED

wish to advise the trade that as from 18th December the consumer prices of their

ROBINSON'S 'PATENT' GROATS

will be increased to retail at

I lb. tin ... 2/0d.

 $\frac{1}{2}$ lb. tin . . . I/Id.

CVS

NATIONAL FORMULAR

PASTILLES and LOZENGES ar always in ample supply from

ROBERT GIBSO

& SONS LIMITED
MANCHESTER & LONDON

Manufacturers of
"MECCA" COUGH PASTILLE

GIBSON'S CHOCOLATE WORM CAK

25

How many

swallows a day?

The sea lion may enjoy swallowing large quantities of fish, but the T.B. patient will welcome any scheme to help him with his frequent doses of 'Paramisan'. Cachets are, without question, the most acceptable method of oral administration. Consider these advantages:

LESS "SWALLOWS" PER DAY. The 'Paramisan' Cachet contains 1.5g. of Sodium para-Aminosalicylate—equivalent to nearly five tablets or dragees. This is of great benefit with a drug which must be taken in quantity over a long period.

EASY ADMINISTRATION. The 'Paramisan' Cachet, previously dipped for a second or two in water, is surprisingly easy to swallow with a draught of water. Cachet; can be taken in quick succession without any difficulty.

CERIAIN DISINIEGRATION. The 'Paramisan' Cachet disintegrates quickly when swallowed. There is no danger of it passing through unabsorbed—a difficulty which has been encountered following the administration of large quantities of coated tablets.

NO UNPLEASANT TASTE. The 'Paramisan' Cachet leaves no unpleasant taste in the mouth—a great advantage over solutions and over some forms of granules.

ACCURATE DOSAGE. The 'Paramisan' Cachet is simple to supply as an accurate dose, avoids waste and is undoubtedly the best way to buy and administer P.A.S.

'PARAMISAN SODIUM'

TRADE MAI

BRAND

SODIUM para-AMINOSALICYLATE

PACKED IN CONTAINERS of 100 and 500

CACHETS

Each containing 1.5 g.

Literature and prices available on application to:

HERTS PHARMACEUTICALS LIMITED

Welwyn Garden City, England

Welwyn Garden City, England G.M.56

Do you know these facts about Strained Foods?

- Doctors and clinics advise that a baby should start having strained foods when the weight reaches 15 lbs., which usually occurs when the baby is three to four months old.
- The Strained Food usually given first is Bone and Vegetable Broth. Other varieties should be introduced at the rate of one or two new foods each week, and the quantity given at a feed should be steadily increased as the child's weight increases.
- The Strained Foods prepared by Heinz are better than home-made.

A mother, however careful, low valuable nutrients by cooking to foods in open saucepans, and sometimes overcooks too. Instead of sieving, she often mashes to foods, leaving indigestible lum

Heinz cook the foods by mether that *keep in* the goodness, and so them to the consistency that correct for the baby's digestion a bowel.

HEINZ STRAINED FOODS

Fifteen Varieties





Behind fast-moving 'ASPRO' sales is the stimulus of a continuous advertising campaignthrough Press, poster and cinema. The publication want to know what a product is—what does—and advertising tells them. It is the which makes all the difference between the worthwhile line and the "once-in-a-while"

line. It is this which creates an ever-greater publi demand for 'ASPRO'. You get the benefit of thi demand to the full by continuously displaying 'ASPRC in window or on counter. It is a fact that

Made by ASPRO LTD., Slough,



DISPLAYS BRING IN NEW BUSINESS

FOR HOME & EXPORT

META AMINO PHENOL 99/100%

PAS ACID
PAS SODIUM
PAS CALCIUM
In Bulk and Tablet forms

SULPHA DRUGS

EPHEDRINE
HYDROCHLORIDE
SULPHONES
VITAMIN B₂
MERCURY SALTS



★ We can supply these and many other drugs advantageously. M·W·HARDY & CO. LTD

PINNERS HALL GT WINCHESTER ST-LONDON EC2

TELEPHONE: LONDON WALL 7131

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CO

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AMISYN TABLETS

combining

ACETOMENAPHTHONE

and

NICOTINAMIDE

for

CHILBLAINS

EXEMPT FROM
PURCHASE TAX

Armour Laboratories

LINDSEY STREET - LONDON - E-C-I

Telephone: Clerkenwell 9011
Telegrams: "Armosata-Phone," London

AN ANNOUNCEMENT OF IMPORTANCE TO ALL PHARMACISTS

The following appliances conform to the DRUG TARIFF SPECIFICATIONS and therefore become prescribable under the NATIONAL HEALTH SERVICE, as from DECEMBER 1st, 1950.

COTTON ELASTIC BANDAGES (PERMALAST BRAND)

IN SIZES 2" 21" 3" 31/ 6" 26/- 28/7 31/2 36/5 41/6 62/5 Doz.

ZINC PASTE BANDAGES (DALZOBAND BRAND)

Details as under:

ZINC PASTE (B.P.C.) $4'' \times 7 \text{ yd}$. ZINC PASTE (Drug Tariff) ... $3\frac{1}{2}$ " x 6 yd. ZINC PASTE with ICHTHAMMOL $3\frac{1}{2}^{"}$ x 6 yd.

PARAFFIN GAUZE DRESSING B.P.C. (PETRONET BRAND)

- (1) Each piece individually packed in transparent envelope, $3\frac{3}{4}$ " x $3\frac{3}{4}$ ". Packed in outers of I dozen.
- (2) Tin of 5 pieces $3\frac{3}{4}'' \times 3\frac{3}{4}''$.
- (3) Tin of 10 pieces $3\frac{3}{4}$ " x $3\frac{3}{4}$ ".

MEDICATED TULLE DRESSING (SULPHONET BRAND)

SULPHATHIAZOLE 5% in a PARAFFIN BASE.

- (1) Each piece individually packed in transparent envelope, $3\frac{1}{2}$ x $3\frac{1}{2}$. Packed in outers of 1 dozen.
- (2) Tin of 5 pieces, $3\frac{1}{2}^{"} \times 3\frac{1}{2}^{"}$.

Be prepared to meet the demand by placing your order at once with your usual Wholesaler or direct with the manufacturers.

DALMAS LIMITED

IUNIOR STREET, LEICESTER. Telephone 65261 (8 lines)

Depots at:

LONDON: 140-142 St. John St., E.C.1. Phone CLErk 3399

LEEDS: 14 Neville Street.

Phone 29764

GLASGOW: R. Telford, 29 Waterloo St., C.2. Phone CENtral 2716 BELFAST: R. T. Taylor, 84 Sicily Park, Finaghy, Belfast.

Phone 23044

BUTLER & CRISPE

PROPRIETARY MEDICINES · CHEMISTS' SUNDRIES
SURGICAL DRESSINGS · TOILET GOODS

- WE STOCK -

PRESCRIPTIVE PHARMACEUTICALS

NATIONAL HEALTH SERVICE

ALL THE LEADING MAKERS

PROMPT DESPATCH BY - MOTOR - RAIL - POST

send your orders or enquiries to:—80/84 CLERKENWELL ROAD

LONDON · E.C.

ANNOUNCING

THE **NEW** 8oz. PACK

DENTO

Retail Selling Price 2/2d.

Generous Trade Terms and Discounts

AVAILABLE NOW

F. C. CALVERT & CO., LTD.

GIBBON ST., ASHTON NEW RD., MANCHESTER, II

Telephone: EAST 1421

FAMOUS FOR TOOTH POWDER THROUGHOUT THE WORLD



and fill U.M.P.
them by the COLLAPSIBLE
TUBE FILLING
UNIT

This unit consists of Tube Filling Machine, Tube Closing Machine and Tube Crimping Machine. Please write for particulars and descriptive leaflet.

We are also moulders of PLASTICS to the Trade by injection and compression methods



UNIVERSAL METAL PRODUCTS LTD.

SALFORD 6 LANCS: Telephone: PENDLETON 1631-2-3

BIOLOGICAL



PREPARATION

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTEL IDENTICAL WITH THAT OF PRE-WAR PREPARATION

because of our heavy purchases immediately before war broke out. Our stock are still considerable and the high MBL standard will be fully maintained

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATION

			Retail	CHEMISTS' PRICE			
			Prices	Per unit		Per dozen	
ANTIPEOL			(inclusive of Tax)	Net +	Purchase	Net +	Tax Purchas
	tube		7/5	4/21 +	1/5	50/5	+ 16/
40 gr. 20 gr.	,,		1 2/1	$\frac{1}{1/2}$ +		25/3 14/-	+ 8/ + 4/
	bottle		2/01	$\frac{2}{1\frac{1}{2}} +$	8½	25/3	+ 8/
OPHTHALMO-ANT	IPEOL						
20 gr. Nozzled Tube			3/8½	2/1½ + 1/- +	8½ 4		+ 8/. + 4/.
8 gr. " "			1/9	1/- +	4	11/11	+ 4/-
RHINO-ANTIPEOL						-	
20 gr. Nozzled Tube			1 1/9	1/9 +		21/ - 11/11	+ 7/-+ 4/-
8 gr. " " ENTEROFAGOS		**	"	.,		,	
Box of 50 ampoules			19/-	$13/3\frac{1}{2}$		159/7	No
,, 10 · ,,			4/3	3/- 1/9		35/8 21/-	Noi Noi
,, 5 ,,	•••	· · · · · · · · · · · · · · · · · · ·	7,0	'''	140116	21/-	140.
DETENSYL					-		
Tin of 500 tablets			1 4/11		8/ - 11	288/- 32/4	+ 96/- + 10/
Tube of 50 ,,			7/11	2/07 +	- ''	32/4	. 10/
ST. JAMES' BALM							10
Tin of approx, $2\frac{1}{2}$ oz.			, ,	1/11 +			+ 7/6
", ", l oz.			1/7	11 +	4	11/3	+ 3/

Carriage paid on all orders of 1 dozen or £1 and over. Terms: NETT., Monthly Account.

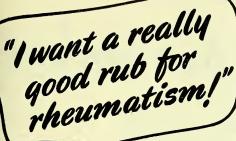
MEDICO-BIOLOGICAL

LABORATORIES

LTD., LONDON,

S.E.2

ANISHES RHEUMATIC PAIN







6 LUWTH

The Warming Liniment

IN THE HANDY BOTTLE

RHEUMATISM weather is in full swing. Now is the time to push GLOWTH with confidence. Perfectly compounded for RAPID RELIEF it has an excellent formula and will prove an exceptionally good "repeater".



* Are you ready to meet the demand?

ARTILLERY LANE, LONDON, E.I

Tel: BISHOPSGATE 4761 Grams: Horehound, Phone, London
77 DANTZIC STREET, MANCHESTER 4

Tel: BLACKFRIARS 8734 Grams: Horehound, Manchester 62 ORBISTON STREET, MOTHERWELL Grams: Horehound, Motherwell Grams: Horehound, Motherwell HAROLD MITCHELL & Co. Ltd., 321 Grosvenor Road, BELFAST.

Telephone 24356

Bottle-fed babies-



Confronted, as he often is with a request for advice upon digestive disturbance when baby is bottle-fed, the Pharmacist may confidently recommend the use of * 'Milk of Magnesia'.

This antacid laxative checks the formation of indigestible protein curds and enables digestion to proceed with comfort.

Thus the baby is contented, receives full nutritional value from each feed and thrives.



MILK OF MAGNE

THE CHAS. H. PHILLIPS CHEMICAL CO. LTD.,

179, Acton Vale, London, W.3.



Set a spur to winter sales by giving 'Kepler' a prominent display. Let the lively 'Kepler' showcard work for you as "silent salesman." Forceful advertisements for 'Kepler' are currently appearing in the "Radio Times" and other favourite family magazines with a readership of over 30 million. By linking up with this publicity campaign you can be sure of securing a satisfactory share of the profitable 'Kepler' market.

'KEPLER'

COD LIVER OIL WITH MALT EXTRACT



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON



It is time to lay in stocks of remedies for coughs and colds. We have anticipated a wider demand for the original "Gee's Linctus Pastilles" by increasing production but supplies are not unlimited. Early orders will receive speedy attention and with each order for 3 doz. tins 2 new show cards for counter and window display will be sent. Each doz. tins are packed in an attractive display outer.

Price 10/- per doz. plus Purchase Tax.



Gee's finctus

PASTILLES

WARRICK BROS., NILE STREET, LONDON, N.1



A jar used by Pepys' apothecaries

It was in 1823, very shortly after Pelletier had isolated Quinine, that Luke Howard, assisted by his partner Joseph Jewell, extracted Quinine from Cinchona Bark and firmly established its manufacture on a commercial scale in this country. For nearly two centuries before Pelletier, the anti-malarial properties of Cinchona Bark had been known. In fact, Howards, who continue today in the forefront of the world's Quinine manufacture, possess in their museum this drug jar, labelled Ext: Cort: Peru (Extract of Cinchona Bark), dating back to the days of Pepys and considerably older even than the Howards' tradition for the production of fine chemicals.



Bromides, Citrates
Iodides, Iron Salts
Bismuth Salts
Sodium Bicarbonate



Lactates, Aspirin
Salicylates, Ethers
Quinine Salts
Tablets—etc.—etc.

HOWARDS & SONS LTD . ILFORD near LONDON



MYSORE

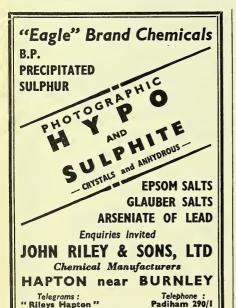
Since 1913, when the Myso Department of Industries w instituted, the industrial devi opment of Mysore has go steadily ahead. Plans in har to develop still further Mysore vast resources will continue record of progress that h earned for Mysore its proi title of "The model state India." One of the most famou of its many products is sanda wood oil. Made in the Gover. ment sandalwood oil factor strict supervision during ever process guarantees a standar of purity and quality that unequalled.

SANDALWOOD OIL

For further information apply to

TRADE AGENT FOR MYSORE

9 Clifford Street, London, W.I. Tel: AMB 6671



STANDARD SYNTHETICS

LIMITED

Actual distillers of Essential Oi

Manufacturers of Aromatics, Perfun Bases and Flavours.

We specialise in Cinnamon Bark Of Juniper Berry Oil, Winter green Oil, Eucalypto French Lavender Oil, Ter pencless Lemon Oil, Ros Perfumes, etc.

76 Glentham Rd., Barne

London - - S.W.18

Telephone:-Riverside 3616

A VERY HAPPY

Christmas

to all our friends in the

DRUG TRADE

from

ALLIED DRUG & CHEMICAL C.

(The Chemists' Suppliers with the Personal Service)

ROBERT STREET, LONDON, N.W.1 Phone: EUSton 2524 (12 lines)



Always demand! T. HARLEY LTD., PERTH, SCOTLAND



FRYER & CO. (Nelson) Ltd., NELSON, LANCS.

EUCALY

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

> 80/85% B.P. Oil Euc. Dives 40/45% Oil Euc. Citriodora

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Higher Thermal Efficiency means HIGHER sales

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These Syringes are entirely seamless moulded with new model Flexible Vaginal Pipe.

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with choice of three temperatures at will, thermostatic control, washable cover, made by specialists in their manufacture.

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Manufacturers of all kinds of

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NAIL CLIPPERS
Carbon Steel—
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Lever action,

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Equality? Yes LIBERTY? No!

WHERE CORES ARE CONCERNED, we're simply tyrants. No nonsense about fraternity! We glory in grinding out every particle of individuality from our corks, with calculated

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From the moment it is torn from some protesting tree in the forests of Spain, our cork undergoes the most brutal treatment. Only the very best can stand it. After being boiled, scraped, pressed, and baked in the dreaded "hot-box," it's well on the way to terrified uniformity.

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Just wrong, by 1/63rd of an inch. And what a fate!

If, after all this, there remains even 1/63rd of an inch of individuality about a corkaway it goes, ignominiously, to make byproducts. Only perfect corks survive.

We believe that where corks are concerned, most of our customers are good totalitarians, and agree with us that corks should be absolutely regular in quality and size, indistinguishable from each other. If that's how you feel - we should be glad to show how well we can meet your strictest requirements. Armstrong Cork Co. Ltd. (Closure Division), Kingsbury, London, N.W.9. Tel. Colindale 7080. Scottish Branch: 5 Oswald Street, Glasgow, C.1. Tel. Central 5703.

FREE ON REQUEST. The handy Armstrong string of standard cork sizes shows at once what size you want -whether for dispensing or for ordering supplies. May we send you one?



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When it's Sundrie Think of "Ritchies"

A few samples from our range : Arch Supports Gillettes Hypodermic Need-

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We really do welcome back your containers.

They can be used again.

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"I want an

Evan Williams TONING PACK

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You'll have more and more customers saying this, for women do talk amongst themselves and are enthusiastic about the marvellous hair brightening qualities of these Toning Packs. Recommendations are boosting sales. Are you well supplied with this profitable, nationally advertised and fast moving line? If not, book your orders now.



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Trial Packets (Including Shampoo) retailing at 1/9½ including tax
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EVAN WILLIAMS CO. LTD.,

HENNA AND CAMOMILE TONING PACK for Fair Hair
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The Perfect Hair Brighteners and Conditione

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CANNON RUBBER DESIGN SETS THE PACE IN

HOT WATER BOTTLE

First, the 'Ripple' and 'Dolphin' which established the CANNON reputation for quality and sound design, the the 'Noah's Ark' series of novelty bottles that proved sopoular, that demand nearly exceeded supply. Then the 'Cottage' series of gay little figures that is beating a records. And have you seen the 'CANNON' self-sealing hot water bottle in its showcard pack that sells on sight the All from your usual wholesalers





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ATLAS LABORATORIES, MANCHESTER 19

IT STARTED WITH Blue Orchid PERFUM



Now women want the same exquisite perfume in the other toilet goods as well. One steady sale leads another. One Blue Orchid display in your winde sells four profitable lines - it's as simple as the

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It pays to stock the BLUE ORCHID ran

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SUPERFINE QUALITY ALL WOOL SANITARY TOWELS

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— Your SALES are assured you stock SHADEINE!

Still the best hair tint. In all natural shades. Stocked by all wholesalers. Trade prices—I oz. 15/5 per doz., 2 oz. 28/3 per doz. Purchase Tax 100% Retail prices 3/- and 5/6 per bottle respectively.



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Happily every season of the year brings goodwill with

Bristow's LANOLIN PRODUCTS

...the quality of these preparations makes it a year-round certainty for every stockist

BRISTOW'S LANOLIN SOAP, LANOLIN SHAMPOO, LANOLIN SHAVE



SCIENCE OR NATURE?

Nylon wears longer than even the best bristle. It does not get so soggy. It can be made exactly as hard or soft as required, and it is 100% hygienic. Nevertheless, there are still many people who do not agree that the scientist has yet beaten the pig.

Check these toothbrush

FACTS

and help your customers choose

NexT time a customer asks your advice on choosing a toothbrush, remember these pointers. You'll have all the answers pat!



HARD OR SOFT?

Many people use toothbrushes that are too hard—especially Nylon, which does not get soft when wetted. Leave it to your customer, but remember, most dentists are against extra hard brushes. And remember, Wisdom Nylon is now made in 'soft' as well as 'medium'.





WHICH IS THE BEST BRISTLE?

All experts agree Chungking and Siberian Bristles are the best for toothbrushes. Indian Bristles are generally too brittle, so that they quickly get soggy and break down. Wisdom is made only from Chungking and Siberian, guaranteed free from Indian.



THE HANDLE'S IMPORTANT!

The Wisdom handle isn't just for show—it's specially designed for correct brushing. The angle brings the handle in line with the brushing surface of the tufts—instead of their roots.



AND THE NAME?

We suggest Wisdom. Advise your customers to buy a Wisdom, and you'll be sure of satisfying them. We made the first toothbrush in 1780—but we don't rest on our laurels. We're constantly carrying out research to keep ahead of the toothbrush field. So sell the best brush—sell a Wisdom.





Some products of specialised interest at the present time which we can deliver regularly:—

AMINO ACIDS
L-ASPARAGIN
6- BENZYL THIOURACIL
CHORIONIC GONADOTROPE
HORMONE (1 million i.u.
per grm.)
L-CYSTINE
DIGITOXINE
DESO XYCORTICOSTERONE
ACETATE
FOLIC ACID
HANEGLYCINE
(Glycerine Substitute)

HORMONES
MALTOSE
ORTHO DISODIUM SALICYL
SULPHATE
P.A.S.
(Acid Sodium and Calcium)
SERUM GONADOTROPE HORMONE
(500,000 i.u. per grm.)
STROPHANTHIN G & K
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(4, 4- Diamino Diphenyl
Sulphone)
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The following lyophilised products can now be supplied promptly:—

CHORIONIC GONADOTROPE HORMONE
GUINEA PIG COMPLEMENT
PITUITARY GONADOTROPE HORMONE
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4 GRAFTON STREET, LONDON, W.I Telephone: REGent 0521 Telegrams: "BIDSAWYA, PICCY, LONDON" Cables: BIDSAWYA, LONDON

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NAMES OF SURESPONDED ATTEMPTS OF STREET



IN POCKET SIZE TINS

Medium and Large

FIRST-AID FLEXIBLE

DRESSINGS FIRST-AID

> OBTAINABLE FROM YOUR USUAL WHOLESALE SUPPLIER

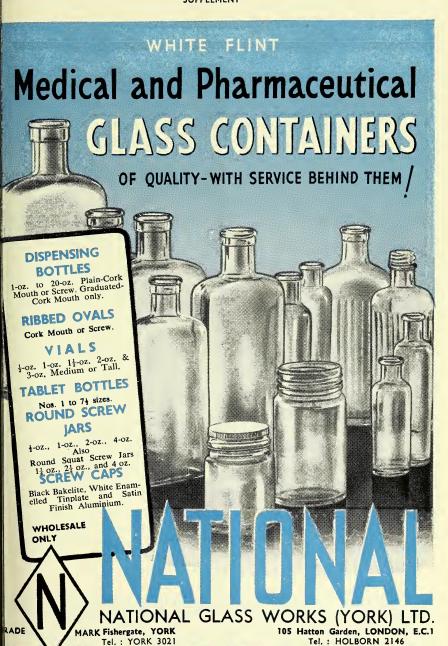
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Established over 100 years

Flexoplast Dressing is also available in the new hygienic cartons. Size $l^{\frac{1}{2}''} \times l$ yard and $2l^{\frac{1}{2}''} \times l$ yard.





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FREE from PURCHASE TAX

 $2\frac{1}{2}$ oz. bottles 9/6 per doz. Gross Lots 8/6 per doz. 4 oz. bottles 12/6 per doz. Gross Lots 11/- per doz.

Ask for Specimen Labels

The printed formula will convince you that this is an ideal winter line for you.

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THORNTON & ROSS

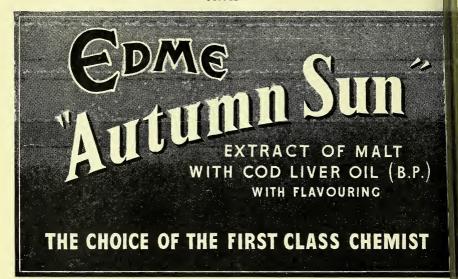
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Ribena contains not less than 20 mgms. of Vitamin C per fluid oz.

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(The Equal of the American Pattern)

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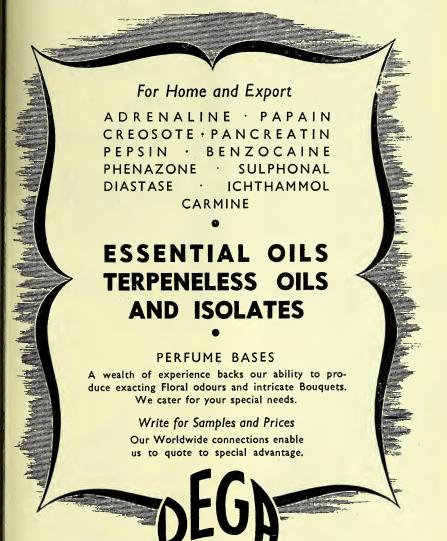
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none: PERIVALE 9121 (4 LINES) Grams: ACIDOLAN GREENFORD MIDDX



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For nearly half a century Royal Court Tintona has earned an enviable reputation for efficiency, safety and ease of application. For you too they can earn both profit and confidence. Order small lots from your wholesale house, or minimum three dozen bonus display parcels, with show material, direct from the manufacturers.

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FOR THE HAIR - IN SEVEN SHADES

The Oatine Company (Opera Omnia Ltd. Proprietors)

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BEAUTY APPLIANCES

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BECAUSE OF

Beautiful Appearance
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Attractive Pack
National Advertising

If you are not yet a stockist, write today for illustrated literature on the Pifco range to:-

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Here's a gay little bird to crown the Alka-Seltzer carton — a permanent reminder of the ever-popular animal series appearing in national press advertising campaigns.

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Super Speedy Mill

IN REGULAR USE ALL OVER THE WORLD

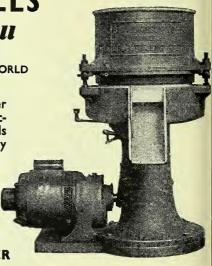
"HIS Machine is a combined Mixer and Grinder and is used very successfully in the production of all kinds of Ointments, Tooth Pastes, Beauty Creams, Patent Foods, etc.

Each Machine Incorporates Thirty Years' Accumulated Experience

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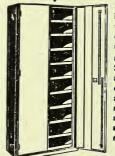
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TALCUM POWDER . SHAVING STICK

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years.

Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:

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TELEPHONE: HOLBORN 1564

THE POTTER DRUG & CHEMICAL CORPORATION

205-207, Victoria House, London, W.C.1

313





EXPERT GUIDANCE IN . . .

TRUSS FITTING

Under the National Health Service these appliances can be ordered on EC10 forms.

Pharmacists should be fully acquainted with the practical details involved in the supplying and fitting of them.

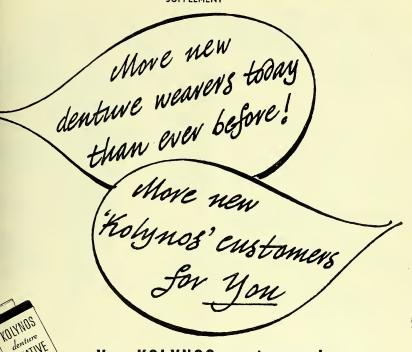
The informative series of articles on the subject recently published in "The CHEMIST AND DRUGGIST" have been reprinted in booklet form, "THE FITTING OF TRUSSES AND ELASTIC HOSIERY", which provides full information in concise detail. Copies should be handy for reference purposes in every pharmacy.

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Single copies . . . 1/6 post free. I doz. copies . . . 1/4 each post free.
2 doz. copies . . . 1/3 each post free. 50 copies or over 1/- each post free.

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The CHEMIST AND DRUGGIST

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'Kolynos' brings you the Denture Cleaner and Denture Fixative backed by a world-famous name—KOLYNOS

Make double sales! Build your next I.C.C. mixed parcel around these two nationally-advertised items. Stock them, display them for double-sales to this important expanding market.

Make up your parcel with these famous I.C.C. lines: 'Anadin', 'BiSoDoL', 'Anne French' Cleansing Milk, 'Kolynos' Dental Cream, 'Pineate' Honey Cough Syrup, 'Freezone' Corn Remover and 'Bisurated' Magnesia.

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FOR CLEANING

ARTIFICIAL TEETH

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THE TOILET ROLL
THAT
SELLS ON SIGHT

The Everest is the attractively cartoned toilet roll you can place on your counter—where housewives can pick it up, and buy, without embarrassment. They welcome it for the protection it gives the family—a scientifically hygienic toilet tissue, strong yet gentle, carrying the Certificate of the Royal Institute of Public Health and Hygiene, Advertised regularly in women's magazines and in buses throughout the country.

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THE Boxed TOILET ROLL
Your customers will be pleased to!

This is a product of KITTYBREWSTER (PAPER) LIMITED
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by L. M. Spalton, B. Pharm., M.P.S.

Today, the pharmacist is faced with an almost bewildering assortment of emulsifying agents, all having varying properties and requiring different methods of treatment.

In this book the considerable range of these products has been classified, together with essential practical points about their pharmaceutical use. It contains chapters devoted to the theory of the formation of emulsions, properties of different emulsifying agents (classified into groups according to their structure and characteristics), the formulation and preparation of emulsions, the general methods of preparing emulsions with details of technique and causes of emulsion separation, preservation and storage of emulsions etc.

The practical uses of emulsifiers is dealt with at considerable length, together with methods of handling each type of emulsifying agent and full notes of incompatibilities and other matters.

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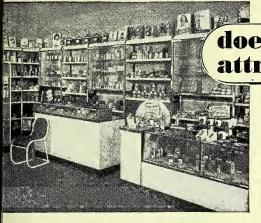
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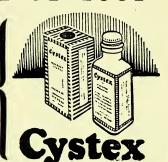
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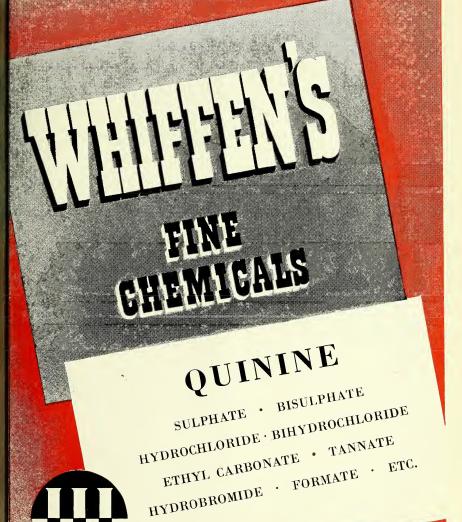
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